

VI. *The moths of Burma.* Part II. By Colonel CHARLES SWINHOE, F.L.S., F.Z.S., &c.

[Read February 5th, 1890.]

PLATES VII. & VIII.

GEOMETRITES.

EROSIIDÆ.

197. *Orudiza protheclaria.*

Orudiza protheclaria, Walker, xxiii., p. 858 (1861).

(Type). Moulmein. In B. M.

198. *Dirades conchiferata.*

Dirades conchiferata, Moore, Lep. Ceylon, iii., p. 403, pl. 186, f. 11 (1887).

Rangoon, August, 1888. In Phayre Museum, Rangoon.

EUSCHEMIDÆ.

199. *Euschema andersoni.*

Euschema andersoni, Moore, Journ. Linn. Soc. Lond., Zool., xxi., p. 56 (1886).

Mergui, March, 1882. In coll. Swinhoe.

200. *Euschema aurilimbata.*

Euschema aurilimbata, Moore, P. Z. S., 1878, p. 846.

Tenasserim, Mithantoung. In I. M., Calcutta.

Mergui. In coll. Swinhoe.

Tavoy. In coll. Moore.

201. *Euschema bellona.*

Euschema bellona, Walker, ii., p. 405 (1854).

(Type). Moulmein. In B. M.

Mergui. In I. M., Calcutta.

Rangoon. In coll. Swinhoe.

202. *Euschema excubitor*.

Euschema excubitor, Moore, P. Z. S., 1878, p. 846.

(Type). Tenasserim. In I. M., Calcutta.

Pegu. In coll. Moore.

203. *Euschema horsfieldi*.

Euschema horsfieldi, Moore, Cat. Lep. E. I. C., ii.,
p. 334, pl. 8a, f. 7 (1859).

Tavoy. In I. M., Calcutta.

Tenasserim. In coll. Moore.

204. *Euschema ludifica*, n. sp.

Thorax and abdomen bright chrome-yellow, unmarked. Antennæ with the shaft greyish yellow, pectinations black. Fore wings bright chrome-yellow for half the length from the base, with some pale blackish blue spots which represent the usual basal bands; remainder of the wing blackish blue, with two pale bluish white macular bands, as in *E. bellona*, but broader. Hind wings yellow for nearly two-thirds of the length from the base, with one large blackish blue spot at the end of the cell and a smaller and indistinct spot alongside, near the abdominal margin; the yellow colour is limited by a blackish blue band with a deep outer curve opposite the large spot, followed by a broken irregular band of yellow, and the outer portion of the wing blackish blue. Under side as above; tarsi of the male yellowish grey; the female has, however, the legs altogether of that colour. Expanse of wings, ♂ ♀ $2\frac{2}{10}$ in.

Rangoon, April and May, 1886. In coll. Swinhoe.

Differs from *E. bellona*, its nearest ally, in its narrower fore wings, in having the thorax and abdomen unmarked, in the pale spotted nature of the basal bands in the fore wing, and the greater extent of yellow in both wings. I have three males and one female before me, which are all exactly alike.

205. *Euschema lunulata*.

Euschema lunulata, Butler, Ann. Mag. N. H. (5), xx.,
p. 375 (1882).

Tavoy. In I. M., Calcutta.

Tenasserim. In coll. Moore.

206. *Euschema militaris*.

Phalœna militaris, Linn., Mus. Lud. Ulr., p. 375 (1764).

Tavoy. In I. M., Calcutta.

Bassein, October, 1887. In coll. Swinhoe.

207. *Euschema sodalis*.

Euschema sodalis, Moore, Journ. As. Soc. Beng. (55), 2, i., p. 99 (1886).

Tavoy. In coll. Swinhoe.

208. *Euschema subrepleta*.

Euschema subrepleta, Walker, ii., p. 406 (1854).

Mergui. In I. M., Calcutta.

209. *Milionia pyrozonis*.

Milionia pyrozonis, Butler, Ann. Mag. N. H. (5), x., p. 375 (1882).

Upper Tenasserim, August. In coll. Swinhoe.

210. *Celerena andamana*.

Celerena andamana, Felder & R., Reise Nov. Lep., iv., pl. 130, f. 18 (1874).

Upper Tenasserim, August. In coll. Swinhoe.

URAPTERYDÆ.

211. *Urapteryx podaliriata*.

Urapteryx podaliriata, Guén., Phal., i., p. 32 (1857).

Moulmein. In B. M.

Tenasserim. In I. M., Calcutta.

212. *Thinopteryx crocopterata*.

Urapteryx crocopterata, Kollar, Hüg. Kasch., iv., p. 483 (1848).

Tavoy. In I. M., Calcutta.

213. *Chærodes? umbrosa*, n. sp. (Pl. VII., fig. 4).

♂. Fore wing long; costa rounded towards the apex, which is nearly falcate; outer margin very oblique, sinuous; hinder margin

straight. Hind wing angled in the centre, greyish rosy, suffused with brownish shades; palpi, antennæ, and hind part of thorax dark brown, front of thorax with a yellow tinge; wings and abdomen irrorated sparsely with dark blackish brown atoms; fore wing with a brownish patch at the base, a blackish brown spot at upper end of cell, and four patches at regular intervals in the costa, from the last of which, at one-third from the apex, is a transverse slightly sinuous line to the hinder margin one-third from the angle, this line being connected with the apex by a streak near its upper end, and there is a brown patch at the other end on the hinder margin; a few fainter brownish marks on the costa at the apex, and a submarginal sinuous faint line containing brown spots, more or less marked with white in the interspaces; the costa at the apex is slightly luteous, and there is a small slightly luteous patch just below the streak touching the apical point. Hind wing more or less sparsely covered with blackish brown atoms, rather thickly so on the abdominal margin, where there is a large patch at one-third from the anal angle; a submarginal line similar to the one on the fore wing. Expanse of wings, $1\frac{6}{10}$ in.

Rangoon, September, 1888. In coll. Swinhoe.

Not allied to anything I know of; is nearest the genus *Cherodes*.

214. *Euchera pitmani*.

Euchera pitmani, Moore, Journ. As. Soc. Beng. (55), 1, ii., p. 99 (1886).

Tavoy. In coll. Swinhoe. (Type). Tavoy. In coll. Moore.

215. *Kalabana picaria*.

Lagyra picaria, Walker, xxxv., p. 1541 (1866).

Mergui. In I. M., Calcutta.

ENNOMIDÆ.

216. *Hyperythra angulifascia*.

Hyperythra angulifascia, Moore, P. Z. S., 1878, p. 851, pl. 53, f. 11.

(Type). Tenasserim. In I. M., Calcutta.

217. *Hyperythra lutea*.

Phalæna (Geometra) lutea, Cram., Pap. Exot., iv., pl. 370, figs. c, d (1781).

P. flavata, Fabr., Ent. Syst., iii., 2, p. 169 (1794).

Hyperythra limbolaria, Guén., Phal., i., 101, 153,
pl. 3, figs. 3, 4, ♀ (1857).

H. penicillaria, Guén., Phal., i., 101, 154.

Moulmein. In B. M.

Rangoon, September and October, 1888. In coll. Swinhoe.

218. *Hyperythra lala*, n. sp.

♂ ♀. Bright luteous. Antennæ brownish, top of head and collar ochreous. Wings sparsely covered with transverse brown striations, crossed by central and discal reddish brown thin bands, the outer band accompanied on its outer side by a broad reddish brown shade, with a large blackish brown subcostal spot on the hind wings; there is also, on the fore wings, a more indistinct inner band, these bands are very variable, and generally more complete in the female than in the male; the colour of the female is also sometimes greyer than of the male. Below the yellow colour is brighter than above, and the bands redder, and there is sometimes a whitish apical patch in fore wings. Expanse of wings, $1\frac{4}{10}$ — $1\frac{6}{10}$ in.

Rangoon, October, 1888. In coll. Swinhoe.

I have this insect also from Bombay, Ganjam, and Dhera Dun. It is nearest to *H. swinhoei*, Butler, but can at once be distinguished by its entirely different colour.

219. *Angerona figlina*, n. sp. (Pl. VII., fig. 5).

♂. Palpi and face blackish brown. Antennæ with the shaft chocolate-brown, setæ pale yellow, a whitish space on the top of the head. Body and wings of a uniform rather pale chocolate-brown, tinged with pinkish. Abdomen with a white basal spot, anal tuft pinkish white; both wings crossed by an irregularly dentated pale line, just beyond the middle, from the abdominal margin of the hind wings, two-fifths from the angle to the costa of the fore wings, two-fifths from the apex, curved outwardly on the hind wings, almost straight on the fore wings, and with all the dentations outwards; also a very indistinct pale submarginal line of a similar nature, marginal line brown; fringe pale at the base. Under side pinkish grey, suffused in places with brownish; the first line very distinct, and beyond this the wings are darker coloured. Expanse of wings, $1\frac{2}{10}$ in.

Karen Hills, April, 1887. In coll. Swinhoe.

Differs from all other known species of this genus in its small size and peculiar brown coloration.

OXYDIDÆ.

220. *Omiza schistacea*.

Omiza schistacea, Moore, P. Z. S., 1878, p. 851, pl. 53, f. 12.

(Type). Tenasserim. In I. M., Calcutta.

ÆNOCHROMIDÆ.

221. *Noreia ajaia*.

Timandra ajaia, Walker, Journ. Linn. Soc. Lond., Zool., iii., p. 195 (1859).

Noreia perdensata, Walker, xxiv., p. 1092 (1862).

Decetia posticata, Walker, xxxv., p. 1557 (1866).

Rangoon, August, 1888. In coll. Swinhoe.

222. *Chilkasa falcata*.

Chilkasa falcata, Swinhoe, P. Z. S., 1885, p. 853.

Rangoon, July, 1888. In coll. Swinhoe.

BOARMIDÆ.

223. *Medasina strixaria*.

Hemerophila strixaria, Guén., Phal., i., 217, 312 (1857).

Moulmein. In B. M.

224. *Chogada processaria*.

Boarmia processaria, Walker, xxi., p. 372 (1860).

(Type). Moulmein. In B. M.

225. *Catoria trispinaria*.

Boarmia trispinaria, Walker, xxi., p. 378 (1860).

Mergui. In I. M., Calcutta.

226. *Catoria procursaria*.

Boarmia procursaria, Walker, xxi., p. 375 (1860).

(Type). Moulmein. In B. M.

227. *Catoria sublavaria*.

Boarmia sublavaria, Guén., Phal., i., 256, 393 (1857).

Moulmein. In B. M.

Rangoon, July, 1888. In coll. Swinhoe.

228. *Hirasa scripturaria*.

Tephrosia scripturaria, Walker, xxxv., 1590 (1866).

Mergui. In I. M., Calcutta.

229. *Serraca transcissa*.

Boarmia transcissa, Walker, xxi., p. 380 (1860).

Rangoon, June. In coll. Swinhoe.

230. *Amraea fortissima*.

Amraea fortissima, Moore, Deser. Ind. Lep. Atk., iii.,
p. 245 (1887).

Bassein, August, 1888. In coll. Swinhoe.

231. *Pingasa crenaria*.

Hypochroma crenaria, Guén., Phal., i., 278, 441 (1857).

Thyetmyo, July, 1888. In Phayre Museum, Rangoon.

232. *Pingasa minimaria*.

Hypochroma minimaria, Guén., Phal., i., 279, 443
(1857).

H. parvula, Walker, xxi., p. 435 (1860).

(Type *parvula*). Moulmein. In B. M.

233. *Elphos hymenaria*.

Elphos hymenaria, Guén., Phal., i., 285, 456, pl. 16,
f. 4 (1857).

Pegu. In coll. Swinhoe.

234. *Petelia medardaria*.

Petelia medardaria, Herr.-Schäff., Exot. Schm., pl. 94,
f. 534 (1850—69).

Bargosa chacoraca, Walker, xxi., p. 481 (1860).

B. chandubija, Walker, xxi., p. 480.

B. distracta, Walker, xxi., p. 481.

Ephyra? *strigularia*, Walker, xxvi., p. 1575 (1862).

Thyetymyo, November, 1887. In Phayre Museum, Rangoon.

Rangoon, September and October, 1888. In coll. Swinhoe.

GEOMETRIDÆ.

235. *Geometra discissa*.

Geometra discissa, Walker, xxii., p. 517 (1861).

(Type). Moulmein. In B. M.

236. *Maxates cœlataria*.

Thalassodes cœlataria, Walker, xxii., p. 552 (1861).

Rangoon, August and September, 1888. In coll. Swinhoe.

237. *Thalassodes dissimulata*.

Thalassodes dissimulata, Walker, xxii., p. 551 (1861).

(Type). Moulmein. In B. M.

238. *Thalassodes palliplagiata*.

Thalassodes palliplagiata, Walker, xxvi., p. 1563 (1862).

(Type). Moulmein. In B. M.

239. *Thalassodes sisunaga*.

Thalassodes sisunaga, Walker, xxii., p. 550 (1861).

T. macruraria, Walker, xxvi., p. 1561 (1863).

(Type of *sisunaga*). Moulmein. In B. M.

240. *Thalera dirempta*.

Thalera dirempta, Walker, xxii., p. 595 (1861).

(Type). Moulmein. In B. M.

241. *Comibœna pannosa*.

Comibœna pannosa, Moore, Lep. Ceylon, iii., p. 433, pl. 195, figs. 1, 1a, b, ♂ ♀ (1887).

C. devexata var., Walker, xxii., p. 574 (1861).

(Type, *devexata*, var.). Moulmein. In B. M.

242. *Agathia lycænaria*.

Geometra lycænaria, Kollar, Hüg. Kasch., iv., p. 486 (1848).

G. albiangularia, Herr.-Schäff., Exot. Schm., pl. 61, f. 339 (1850—69).

Agathia discriminata, Walker, xxii., p. 591 ♀ (1861).

Moulmein. In B. M.

PALYADÆ.

243. *Eumelia aureliata*.

Eumelia aureliata, Guén., Phal., i., 394, 631, pl. 22, f. 6 (1857).

Thyetmyo, June, 1881. In Phayre Museum, Rangoon.

244. *Eumelia fimbriata*.

Phalæna (Geometra) fimbriata, Cram., Pap. Exot., iv., p. 398, f. N (1782).

Eumelia eugeniata, Guén., Phal., i., 394, 633 (1857).

Moulmein. In B. M.

245. *Eumelia rosalia*.

Phalæna (Geometra) rosalia, Cram., Pap. Exot., iv., pl. 368, f. F (1782).

Ametris punicearia, Hübn., Verz. Schm., 303, 2924 (1816).

Tavoy. In I. M., Calcutta.

Moulmein. In B. M.

246. *Cacyparis leta*.

Ballatha leta, Walker, xxxiv., p. 1215 (1865).

Moulmein. In B. M.

EPHYRIDÆ.

247. *Anisodes similaria*.

Anisodes similaria, Walker, xxvi., p. 1582 (1861).

(Type). Moulmein. In B. M.

248. *Anisodes rapistriaria*, n. sp. (Pl. VII., fig. 9).

Pale reddish ochreous, marks and bands ochreous-brown; a fine line across the top of the head, two bands across the thorax; both wings crossed by many sinuous lines, some of which, running close together, form bands, notably one across the centre of the fore wings, and continued on the hind wing across the basal third, one submarginal on fore wing, and discal and submarginal on hind wing; marginal points black; cilia yellow. Expanse of wings, $\frac{9}{16}$ in.

Rangoon, October, 1888. In coll. Swinhoe.

A pretty little *Anisodes* of an entirely new pattern.

MACARIDÆ.

249. *Macaria emersaria*.

Macaria emersaria, Walker, xxiii., p. 925 (1861).
(Type). Moulmein. In B. M.

250. *Gubaria fasciata*.

Phalæna fasciata, Fabr., Syst. Ent., 629 (1775).
P. eleonora, Cram., Pap. Exot., iii., pl. 288, figs. E, F, G
(1782).

Moulmein. In B. M.

Rangoon. In Phayre Museum, Rangoon.

251. *Gubaria xanthonora*.

Macaria xanthonora, Walker, xxiii., p. 935 (1861).
Pyentaza, April, 1888. In Phayre Museum, Rangoon.

252. *Gonodela inchoata*.

Macaria inchoata, Walker, xxiii., p. 931 (1861).
(Type). Moulmein. In B. M.

253. *Gonodela vasudeva*.

Macaria vasudeva, Walker, xxiii., p. 933 (1861).
Gonodela placida, Moore, Descr. Ind. Lep. Atk., iii.,
p. 262 (1887).

Rangoon, November, 1888. In coll. Swinhoe.

254. *Azata ferruginata*.

Azata ferruginata, Moore, Lep. Ceylon, iii., p. 470,
pl. 205, f. 2 (1887).

Rangoon, October, 1888. In coll. Swinhoe.

FIDONIDÆ.

255. *Corymica arnearia*.

Corymica arnearia, Walker, xx., p. 231, ♀ (1860).

Caprilia vesicularia, Walker, xxxv., p. 1659, ♂ (1866).

Rangoon, October, 1888. In coll. Swinhoe.

256. *Prionia squalidaria*.

Prionia squalidaria, Hübn., Zuträge, iv., 40, figs.
787—8, ♀ (1832).

P. violacearia, Guén., Phal., i., 144, 231 (1857).

Osicerda alienata, Walker, xxiv., p. 1084 (1862).

Celesdera schistifusata, Walker, xxvi., p. 1749 (1862).

Rangoon, July, 1888. In Phayre Museum, Rangoon.

257. *Panagra idea*, n. sp. (Pl. VII., fig. 2).

♂. Greyish purple, irrorated with brown atoms; wings, with the costa, pale grey; a brown band from apex of fore wings to abdominal margin of hind wings, one-third from base, another similar parallel band on the hind wings beyond the middle, and a third band on hind wings between this and the outer margin, which becomes slightly bent and sinuous towards the acute hinder angle; inside all these bands the wings are suffused with pale grey; marginal line black; cilia white. Expanse of wings, $1\frac{7}{10}$ in.

Bassein, October, 1887. In coll. Swinhoe.

Distinguishable from the Australian *A. hypenaria*, Guén., in having the transverse oblique bands on the hind wings.

ZERENIDÆ.

258. *Abraxas perampla*, n. sp.

♂. Antennæ grey; palpi ochreous. Body and wings white, spotted and marked with pale blackish brown. Head, thorax, and costal portion of fore wings slightly tinged with yellowish; head, collar, and thorax with some spots. Abdomen unmarked. Fore wings with a number of spots on the costal and basal portions, and one large spot at the end of the cell. Hind wing with a similar

but smaller spot, and both wings with four lines of spots; first ante-medial represented on fore wing by a streak from hinder margin, and on hind wing by a broken disjointed band, second post-medial being a discal straight band from upper radial interspace inclining to a little beyond centre of first median branch, then a small dot, then a large spot on hinder margin forming a broken elbow, and on the hind wing an outwardly curved band broken in its centre; third, a row of large spots, one on each vein on both wings, except the lower radial of the fore wing and radial vein of hind wing; fourth, a row of marginal spots, a little smaller in each interspace on both wings. Expanse of wings, $3\frac{2}{10}$ in.

Upper Tenasserim, August, 1880. In coll. Swinhoe.

An unusually large and peculiarly marked species of this genus.

259. *Abraxas triseriata*.

Abraxas triseriata, Walker, xxiv., p. 1125 (1862).

Mergui. In coll. Swinhoe.

260. *Abraxas virginalis*.

Abraxas virginalis, Butler, P. Z. S., 1886, p. 392, pl. 35, f. 11.

Pegu. In coll. Swinhoe.

261. *Potera marginata*.

Potera marginata, Moore, P. Z. S., 1878, p. 852, pl. 53, f. 9.

(Type). Tenasserim. In I. M., Calcutta.

LARENTIDÆ.

262. *Photoscotosia amplicata*.

Cidaria amplicata, Walker, xxv., p. 1404 (1862).

Pegu. In coll. Swinhoe.

IDÆIDÆ.

263. *Idœa attentata*.

Acidalia attentata, Walker, xxii., p. 754 (1861).

(Type). Moulmein. In B. M.

Tenasserim. In I. M., Calcutta.

264. *Idœa emissaria*.

Acidalia emissaria, Walker, xxii., p. 751 (1861).
(Type). Moulmein. In B. M.

265. *Idœa ligataria*.

Acidalia ligataria, Walker, xxii., p. 748 (1861).
(Type). Moulmein. In B. M.
Rangoon, September, 1888. In Phayre Museum,
Rangoon.

266. *Idœa regulata*.

Acidalia regulata, Walker, xxiii., p. 794 (1861).
(Type). Moulmein. In B. M.

267. *Craspedia addictaria*.

Acidalia addictaria, Walker, xxii., p. 749 (1861).
Thyetmyo, October, 1887. In Phayre Museum, Ran-
goon.

268. *Rambara saponaria*.

Zanclopteryx saponaria, Guén., Phal., ii., 16, 915
(1857).

Moulmein. In B. M.
Mergui. In I. M., Calcutta.
Rangoon, August, 1888. In coll. Swinhoe.
Tounglu. In coll. Moore.

269. *Pseudasthena memorata*.

Pomasia memorata, Walker, xxii., p. 657 (1861).
(Type). Moulmein. In B. M.

270. *Asthena tristicula*.

Asthena tristicula, Swinhoe, P. Z. S., 1885, p. 859,
pl. 56, f. 17.

Rangoon, August, 1888. In coll. Swinhoe.

271. *Asthena urbica*.

Asthena urbica, Swinhoe, P. Z. S., 1885, p. 859.
Moulmein, June, 1888. In Phayre Museum, Rangoon.

272. *Timandra aventiaria*.

Timandra aventiaria, Guén., Phal., ii., 3, 896 (1857).
Moulmein. In B. M.

273. *Timandra comptaria*.

Timandra comptaria, Walker, xxvi., p. 1615 (1862).
Rangoon, August and September, 1888. In coll.
Swinhoe.

274. *Timandra burmana*, n. sp.

Upper side green, irrorated with greyish atoms. Wings with a straight yellowish white line from the centre of the abdominal margin of the hind wings to the costa of the fore wings, one-sixth from the apex; marginal line whitish yellow; fringe greenish grey. Under side pale greenish yellow, nearly white; both wings crossed by a row of pinkish brown submarginal dots from the costa near the apex to the abdominal margin of the hind wings near the angle, nearly straight on both wings, and accompanied on the outer side by a number of bright pink longitudinal short streaks, which gives it the appearance of a broadish pink band; fringe on both wings pink. Expanse of wings, $1\frac{2}{10}$ in.

Rangoon, June, 1888. In coll. Swinhoe.

Looks on the upper side somewhat like a gigantic *Timandra mundissima*, Walker = *T. diatomata*, Walker, but differs in the colour of the marginal band above, and the pink band below; *T. mundissima*, a very common Indian insect, of which I have many examples, being always quite immaculate below.

275. *Lycauges annularia*, n. sp. (Pl. VII., fig. 18).

Pale pinkish grey, sparsely irrorated with deep black atoms; collar black. Thorax with two large black spots behind. Abdomen with black spots down the centre. Fore wings with the costal portion grey; a grey band across both wings from apex of fore wings to abdominal margin of hind wings above the centre; fore wing with a black spot at upper end of cell, one on hinder margin near the base, and another between them in a line; a spot in a straight line between the cell-spot and the margin, a submarginal and marginal curved row of spots, the third from the costa of the submarginal row the largest, and two sinuous indistinct grey lines in the marginal space. Hind wing with a black ringlet at the end

of the cell, three indistinct sinuous grey lines in the marginal space, and a marginal row of black lunules, one of them at the extreme end of the angle in the centre. Expanse of wings, $\frac{9}{10}$ in.

Rangoon, 1883. In coll. Swinhoe.

Allied to *L. postvittata*, Moore; differs in the absence of the longitudinal bands on the wings, and in having a prominent ringlet in the centre of the hind wings.

276. *Luxiaria exclusa*.

Hemerophila ? *exclusa*, Walker, xxi., p. 320, ♂ (1860).

H. prætereuns, Walker, xxi., p. 320.

Acidalia imprimata, Walker, xxiii., p. 771 (1861).

Macaria obstataria, Walker, xxiii., p. 928.

Bithia lignaria, Walker, xxxv., p. 1600 (1866).

(Type of *exclusa*). Moulmein. In B. M.

Rangoon. In coll. Swinhoe.

MICRONIDÆ.

277. *Micronia aculeata*.

Micronia aculeata, Guén., Phal., ii., 26, 928, pl. 13, f. 8, ♀ (1857).

M. gannata, Guén., l. c., No. 929, ♂.

Moulmein. In B. M.

Mandalay. In coll. Swinhoe.

Mergui. In I. M., Calcutta.

Tavoy. In coll. Moore.

278. *Micronia sparsaria*. (Pl. VII., fig. 3).

Micronia sparsaria, Walker, xxiii., p. 818 (1861).

Bassein, October, 1887; Rangoon, August, 1886. In coll. Swinhoe.

Walker's type-label in the B. M. has somehow got upon a wrong specimen; his type-label is now upon a specimen of the subgenus *Acropteris*, which consequently has to this day remained undescribed. In his description he says "this species is distinguished from the preceding one by the indefinite outline of the bands, and by the much more distinct angle of the hind wings"; and this description exactly corresponds with the large *Micronia* I identify as *sparsaria*, common in the north and north-

eastern portions of India, and which, though a good and constant species, much resembles *aculeata* (his preceding species) in shape and markings. Mr. Butler suggests that Walker's description-slips might have got transposed, and by the preceding species he may have meant some species other than *aculeata*; but his type-label is on an *Acropteris*, and the only species of that genus described by Walker is *A. convexaria*, the hind wings of which are perfectly rounded, without any inclination to an angle; and therefore his remark about the much more distinct angle of the hind wings cannot apply.

279. *Acropteris obliquaria*.

Micronia obliquaria, Moore, P. Z. S., 1877, p. 622, pl. 60, f. 17.

Rangoon, October, 1888. In coll. Swinhoe.

280. *Acropteris caseata*.

Micronia caseata, Guén., Phal., ii., 27, 932 (1857).

Mergui, Tavoy. In I. M., Calcutta.

281. *Acropteris striataria*.

Phalæna (Geometra) striataria, Clerck, Icon., pl. 55, f. 4 (1759).

Tenasserim. In I. M., Calcutta.

Tavoy. In coll. Moore.

282. *Acropteris vagata*.

Micronia vagata, Moore, P. Z. S., 1877, p. 622, pl. 60, f. 18.

Tavoy. In I. M., Calcutta.

Rangoon, August and September, 1888. In coll. Swinhoe.

283. *Strophidia fasciata*.

Phalæna (Geometra) fasciata, Cram., Pap. Exot., ii., pl. 104, f. D (1779).

P. caudata, Fabr., Ent. Syst., iii., 2, 163, 124 (1794).

Micronia obtusata, Guén., Phal., ii., 25, 927, pl. 5, f. 6 (1857).

Tavoy. In I. M., Calcutta.

Rangoon, July, 1888. In Phayre Museum, Rangoon.

NOCTUES.

CYMATOPHORIDÆ.

284. *Risoba diversipennis*.

Heliothis diversipennis, Walker, xv., p. 1750 (1858).
(Type). Moulmein. In B. M.

285. *Risoba obstructa*.

Bolina obstructa, Walker MS.
Risoba obstructa, Moore, P. Z. S., 1881, p. 328.
Rangoon, July, 1888. In coll. Swinhoe.

LEUCANIIDÆ.

286. *Leucania loreyi*.

Leucania loreyi, Dup., Hist. Nat. Lep. France, iv.,
p. 81, pl. 105, f. 7 (1827).

L. collecta, Walker, ix., p. 105 (1856).

Upper Burma. In B. M.

287. *Leucania exempta*.

Leucania exempta, Walker, xi., p. 710 (1857).

Rangoon, October, 1888. In coll. Swinhoe.

288. *Leucania hamifera*.

Leucania hamifera, Walker, Journ. Linn. Soc. Lond.,
vi., p. 179 (1862).

Thyetmyo, June, 1888. In coll. Swinhoe.

289. *Leucania lanceata*.

Leucania lanceata, Moore, P. Z. S., 1881, p. 340.

Bhamo, October, 1882. In coll. Swinhoe.

290. *Leucania sejuncta*.

Leucania sejuncta, Walker, ix., p. 109 (1856).

(Type). Moulmein. In B. M.

291. *Leucania albivenata*, n. sp. (Pl. VII., fig. 7).

Palpi brown. Antennæ, body, and fore wings fawn-colour, tips
of the palpi and top of head paler; hind part of head brown;

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three very fine brown lines across the fore part of thorax. Abdomen paler. Fore wings with the costa brown up to one-third from the apex; all the costal portion above the subcostal vein and the outer portions of the wing streaked longitudinally with brown and grey; the subcostal branches, outside portion of median vein, and both its branches prominently whitish, a whitish spot at the root where these latter branches are emitted, the whole space between the subcostal vein and the submedian vein dark brown, paling a little towards the outer margin, a yellowish streak above the outer portion of the median vein within the cell; a pale apical shade from the apex, sloping inwards to the submedian branches, and a brown streak near the hinder margin; marginal points black; fringe interlined; hind wings greyish fawn-colour, paler towards the base; veins prominent, marginal points black; fringe pale yellowish grey, a pale brown thick lunule at the end of the cell. Under side pale pinkish fawn-colour; fore wing suffused with brown inwardly, a prominent brown spot on the costa one-third from apex; hind wing with the lunule at end of cell dark brown, some brown marks towards the costa, and a prominent marginal row of brown dots on both wings. Expanse of wings, $1\frac{3}{10}$ in.

Bhamo, October, 1882. In coll. Swinhoe.

Allied to *L. rufistrigosa*, Moore; differs in the absence of the discal curved row of black points on fore wing, in its dark brown markings, and absence of prominent white cell-streak.

292. *Leucania subnitens*. n. sp. (Pl. VII., fig. 1).

Antennæ, palpi above, head, thorax, and fore wings, pale pinkish fawn-colour. Antennæ whitish towards the tips. Fore wings with a broad white costal band, irrorated with greyish atoms; under this band is a brown shade, darkest towards the base, is limited hindwards by the submedian vein, and gradually becomes paler as it extends to the outer margin, and is interrupted by a paler shade, which crosses it from the apex to the interno-median area; the outer portion of the wing is covered with longitudinal brown and grey streaks between the veins, and the entire surface is covered sparsely with black atoms; fringe interlined with pale greyish brown. Hind wings pure white, suffused broadly at its outer portions with greyish brown, and with the veins on this portion darker brown. Abdomen paler than the thorax, with the basal portion white. Wings below of a beautiful uniform burnished silvery white, which in some lights reflects pale glistening golden tints. Expanse of wings, $1\frac{6}{10}$ in.

Bhamo, October, 1882. In coll. Swinhoe.

Somewhat resembles *L. venalba*, Moore, above, but can easily be identified by its pale costa to fore wings, and by the beautiful glistening colour of the wings below.

293. *Leucania nefasta*, n. sp.

Antennæ, palpi, head, thorax, and fore wings pale fawn-colour, tinged with pale pinkish. Fore wings with brown-grey longitudinal streaks between the veins, especially on the costal and outer portions, a thicker streak on the upper side of median and submedian veins, the median vein streak somewhat thickening at the end of the cell, and from the end a short blackish brown patch, interrupted by the grey streaks; an outwardly curved row of black points from the hinder margin, one-third from the angle, to the costa, one-third from the apex, a marginal row of black points; fringe interlined pale brown and pale pinkish fawn-colour. Hind wings white, shining; outer margins shaded with pale fawn-colour. Abdomen grey. Under side paler and duller; fore wings shaded in the upper central portions with brown. Expanse of wings, 1 in.

Bhamo, October, 1882; Rangoon, 1887. In coll. Swinhoe.

Allied to *L. subsignata*, Walker, from which it can easily be distinguished by its whiter hind wings, and the absence of the row of curved discal spots thereon, and also by the absence of the dot at the end of the cell.

294. *Leucania homopterana*, n. sp. (Pl. VII., fig. 12).

Antennæ brown; palpi, thorax, and fore wings fawn-colour; tips of palpi white; fore part of thorax brownish. Abdomen with a brown suffusion down the centre; base, anal end, and sides whitish. Fore wings with the entire surface covered with numerous longitudinal brown and greyish white streaks between the veins, much like the neuration of a homopterous insect; a white streak on outer half of cell above the median vein, a black dot below it; black dots on the costa at regular intervals, a discal outwardly curved row of black dots, and a marginal row of black points; fringe interlined. Hind wings white, marginally suffused with brown; veins near the margin brown, and brown marginal points. Under side whitish; fore wings internally suffused with brown; a brown spot on the costa one-third from the apex; hind wing with brown suffusions on the costal portion; marginal brown points on both wings. Expanse of wings, $1\frac{1}{10}$ in.

Rangoon, June, 1888. In coll. Swinhoe.

Allied to *L. rufistrigosa*, Moore, but differently coloured, and can at once be distinguished by the unusually numerous brown and grey streaks on the whole surface of the fore wings.

295. *Leucania basilinea*, n. sp. (Pl. VII., fig. 6).

Antennæ, palpi, head, thorax, and fore wings pale fawn-colour. Fore wings covered sparsely with brown atoms; a dark black longitudinal prominent streak below the median vein from close to the base to one-third from end of the cell; median vein whitish, with a very slight thickening at end of cell; a discal outwardly curved row of black points, and a marginal row of black points; some indistinct grey and brown streaks between the veins on the outer portion of the wing; fringe interlined. Hind wings pure white, with a marginal row of brown points. Expanse of wings, $1\frac{3}{10}$ in.

Bhamo, October, 1882. In coll. Swinhoe.

Allied to *L. percisa*, Moore, but is easily distinguishable by the prominent basal black streak in the fore wings, by the absence of the black dot at the end of the cell, and by its pure white hind wings.

296. *Sesamia inferens*.

Leucania inferens, Walker, ix., p. 105 (1856).

Bassein, August, 1888; Rangoon, July, 1887. In coll. Swinhoe.

297. *Sesamia proscripta*.

Leucania proscripta, Walker, ix., p. 106 (1856).

Moulmein. In B. M.

298. *Arsiloncha roseana*, n. sp. (Pl. VI., fig. 17).

Antennæ, palpi, head, thorax, and fore wings rosy fawn-colour. Abdomen whitish. Fore wings sparsely covered with brown atoms; some pale spaces between the veins in the central outer portion of the wing, making that portion the palest; marginal line white; fringe white, base pale pink. Hind wings pure white, unmarked. Under side of a pure pale pinkish; fore wings with a grey suffusion on basal half of the centre, costa, and hinder margin; hind wings white. Expanse of wings, $1\frac{1}{10}$ in.

Bhamo, October, 1888. In coll. Swinhoe.

Allied to *S. fraterna*, Moore; can be easily distinguished by the absence of the brown dot in the centre of the fore wing below the median vein, and by the brown irroration of that wing.

299. *Aletia* ? *erigida*, n. sp.

Palpi brown; ends of second joint grey. Antennæ, head, body, and fore wings greyish fawn-colour. Fore wings irrorated with minute black atoms; ante-medial, medial, post-medial, and discal sinuous, fine brown erect lines across the wing; the first has a black spot within the cell on its outer side, the second and fourth have each a pale brown patch in their centres, the third has a row of black spots adjoining on its outer side, the fourth is more sinuous than the rest, and is almost submarginal; orbicular and reniform indicated by pale minute spots; a marginal row of black points; marginal line black, very indistinct; the outer third of the wing, under a glass, is found to be finely crossed by numerous straight brown lines very close together; fringe interlined, and with a pale pinkish basal line; a brown spot on the costa one-third from apex; three subapical costal pale points and all the veins more or less brown. Hind wings greyish white; veins and marginal line pale greyish brown; fringe white, interlined at the base with brown and pale pinkish. Expanse of wings, $1\frac{6}{10}$ in.

Thyetmyo, September, 1887. In coll. Swinhoe.

Not allied to anything I can find; is nearest to the genus *Aletia*.

300. *Axylia abstracta*, n. sp. (Pl. VII., fig. 13).

Antennæ, palpi, fore part of thorax, and fore wings fawn-colour; top of head, remainder of thorax and abdomen greyish. Fore wing with the costa, hinder margin, a central stripe from base, and outer marginal portions of the wing suffused with brown, some of the veins within these parts dark brown, a whitish mark at the end of the cell, and three pairs of whitish longitudinal streaks in eschelon towards the apex. Hind wings white, with the marginal border slightly suffused with pale brown; pale marginal line to both wings and interlined fringe. Under side whitish; fore wings slightly suffused with pale brown along its centre. Expanse of wings, $1\frac{2}{10}$ in.

Bhamo, October, 1882. In coll. Swinhoe.

Allied to *A. fasciata*, Moore, from which it is widely

separated by the absence of the pale central border, its difference in colour, and by the pale apical streaks.

301. *Nonagria ? irregularis*.

Nonagria ? irregularis, Walker, xi., p. 712 (1857).

(Type). Moulmein. In B. M.

HELIOTHIDÆ.

302. *Pradatta bivittata*.

Leucania bivittata, Walker, ix., p. 108 (1856).

(Type). Moulmein. In B. M.

BOMBYCOIDÆ.

303. *Pharetra consanguis*.

Acronycta consanguis, Butler, Ann. Mag. N. H. (5), iv., p. 358 (1879).

Rangoon, July, 1888. In Phayre Museum, Rangoon.

304. *Hyboma divisa*.

Hyboma divisa, Moore, P. Z. S., 1888, p. 409.

Rangoon, June, 1888. In Phayre Museum, Rangoon.

GLOTTULIDÆ.

305. *Glottula dominica*.

Phalæna (Noctua) dominica, Cram., Pap. Exot., iv., pl. 399, f. II (1782).

Hadena pancratii, Boisd., Faun. Ent. Mad. Romb. et Maur. Lep., 91, 1.

Moulmein. In B. M.

Rangoon, September and October, 1887. In coll. Swinhoe.

306. *Polytela chrysopila*.

Polytela chrysopila, Walker, xxxii., p. 635 (1865).

Karen Hills, April, 1887. In coll. Swinhoe.

BRYOPHILIDÆ.

307. *Bryophila conjecturalis*, n. sp. (Pl. VII., fig. 10).

Antennæ grey; palpi yellowish white, with brown patches on its sides. Head, thorax, abdomen, and fore wings white, marked with

greyish brown; abdomen with greyish brown marks on the segments on each side; fore wings with greyish brown and blackish brown marks on the costa, from which extend two or three indistinct fine sinuous lines across the basal portion of the wing; a black central band, broad on the costa, suffused on its outer side not reaching the hinder margin, before which it becomes indistinct, limited on its inner side by a fine outwardly curved black line; two or three indistinct sinuous discal lines, black dots on the margin between the veins, and a black longitudinal curved and broken streak, which commences at the base, stops at one-third, and is continued from the central line, and continues irregularly towards the outer margin, where its termination is indicated by a small patch, and there is a similar patch in the centre of the outer margin. Hind wings greyish brown, paling towards the base. Expanse of wings, $1\frac{4}{10}$ in.

Rangoon, July, 1888. In coll. Swinhoe.

Allied to *B. nilgiria*, Moore, but differs in its markings, more especially in having the central transverse black band on the fore wings.

ACONTIIDÆ.

308. *Acontia flava*.

Noctua flava, Fabr., Ent. Syst., iii., 2, 51, 139 (1794).
Xanthodes transversa, Guén., Noct., ii., 211, pl. 10, f. 5 (1852).

Moulmein. In B. M.

309. *Acontia intersepta*.

Xanthodes intersepta, Guén., Noct., ii., 212, 979 (1852).

Moulmein. In B. M.

Rangoon, August, 1888. In coll. Swinhoe.

310. *Naranga ferruginea*.

Naranga ferruginea, Moore, Descr. Ind. Lep. Atk., ii., p. 134, ♂ (1882).

N. quadrivittata, Moore, l. c., ♀.

Rangoon, August, 1888. In coll. Swinhoe.

311. *Ozarba mallarba*.

Ozarba mallarba, Swinhoe, P. Z. S., 1885, p. 452, pl. 27, f. 3.

Thyetmyo, October, 1887. In coll. Swinhoe.

312. *Tarache imbuta*.

Erastria imbuta, Walker, xxxiii., p. 794 (1865).

Acontia acerba, Felder & R., Reise Nov. Lep., pl. 108, f. 25 (1872).

(Type). Moulmein. In B. M.

313. *Tarache bætica*, n. sp.

Grey, suffused with brownish; last joint of palpi black with pale tips; some black marks on top of head, and a black band on collar. Fore wings with a black patch on costa near the base, a broad band across centre of wing, a very little beyond the middle, black above, and becomes suffused and brownish below, limited on both sides by white sinuous lines, which pass round the orbicular and reniform, which are large and whitish, a broad black apical band, suffused downwards and inwards, reniform containing a black mark, costa with three pale points near apex. Hind wings brownish, unmarked. Expanse of wings, $\frac{5}{16}$ in.

Rangoon, May and June, 1888. In coll. Swinhoe.

Allied to *Tarache signifera*, Walker; bands somewhat similiarly disposed, but is much smaller and browner, and is altogether differently marked on the costa.

314. *Tarache optiva*, n. sp.

Of a uniform clear pale iron-grey colour; last joint of palpi brown; top of head whitish. Fore wings with a broad medial band slightly darker than the ground colour, and limited on both sides with white sinuous lines, the inner one outwardly and the outer one inwardly edged with blackish; marginal line on both wings dark iron-grey. Hind wings unmarked. Expanse of wings, $\frac{1}{2}$ in.

Rangoon, July and September, 1888. In coll. Swinhoe.

Differs from the above in the uniform iron-grey coloration of both wings and central uniform band on fore wings.

315. *Bagada diffisa*, n. sp. (Pl. VII., fig. 17).

Palpi pale yellowish, brown at the sides and tips. Antennæ, body, and wings of a uniform pale reddish fawn-colour. Fore wings with three indistinct pale brown lines; ante-medial, medial, and post-medial at equal distances, the last line with small brown dots between the veins; outer margin with a broad brownish band, its

inner margin curving inwards below the centre, where there is a largish brown spot; marginal border with black points in yellow spots on the veins. Hind wings pinkish brown, paling towards the base; fringe pale pinkish. Expanse of wings, $1\frac{3}{10}$ in.

Bhamo, October, 1882. In coll. Swinhoe.

Has no near ally that I am aware of.

ORTHOSIIDÆ.

316. *Orthosia sinens*.

Orthosia sinens, Walker, xi., p. 746 (1857).

(Type). Moulmein. In B. M.

317. *Elydna transversa*.

Elydna transversa, Walker, xv., p. 1713 (1858).

(Type). Moulmein. In B. M.

318. *Aramuna lutos*, n. sp. (Pl. VII., fig. 11).

♂. Obscure pinkish grey, irrorated with cinereous grey atoms; top of head greyish white. Fore wings with the internal border limited by the submedian vein, dark greyish purple, with a dark basal patch caused by an intervening tuft of subbasal grey hairs on the inner margin, a brown spot on the costal third, a collection of grey atoms forming a band across the centre, omitting a pale space with a black dot at the end of the cell, a discal line of three or four well-separated black lunules, followed by some more clusters of grey atoms, and a line of disconnected black lunules on the margin. Hind wings pale grey, brownish towards apical border. Expanse of wings, $1\frac{4}{10}$ in.

Rangoon, August, 1888. In coll. Swinhoe.

Widely different from *A. marginata*, Moore, from Ceylon, the only other described species of this genus, in its sombre coloration and absence of the dark marginal borders of fore wings.

HADENIDÆ.

319. *Hadena spargens*.

Hadena spargens, Walker, xxxiii., p. 739 (1865).

(Type). Moulmein. In B. M.

NOCTUIDÆ.

320. *Spælotis uniformis*, n. sp.

Palpi, antennæ, head, thorax, and fore wings of a uniform greyish fawn-colour, irrorated with very minute greyish atoms, and with a few fine black atoms on the fore wings; costa with some faint grey marks; marginal points pale grey; fringe interlined with grey; median vein and veinlets greyish. Hind wings whitish, with fawn-coloured veins, costal space, and outer margin; cilia interlined, and with white tips. Abdomen whitish, shining. Expanse of wings, $1\frac{3}{10}$ in.

Bhamo, October, 1882. In coll. Swinhoe.

Allied to *S. sincera*, Swinhoe, but differs in the absence of the lines on the fore wing, and in the fawn-coloured suffusion of the borders of the hind wings.

APAMIIDÆ.

321. *Berresa natalis*.

Berresa natalis, Walker, xvi., p. 214 (1858).

Moulmein, May, 1888; Rangoon, September, 1888. In coll. Swinhoe.

322. *Ilattia cephusalis*.

Ilattia cephusalis, Walker, xvi., p. 209 (1858).

Miana inornata, Walker, xxxii., p. 677 (1865).

Perigea leucospila, Walker, xxxii., p. 683.

Rangoon, October, 1888. In coll. Swinhoe.

323. *Perigea centralis*.

Perigea centralis, Walker, xi., p. 734 (1857).

Celæna serva, Walker, xv., p. 1689 (1858).

Perigea illecta, Walker, xxxii., p. 684 (1865).

P. canorufa, Walker, xxxii., p. 683.

Hadena spargens, Walker, xxxiii., p. 739 (1865).

H. taprobana, Felder & R., Reise Nov. Lep., pl. 110, f. 3 (1872).

Rangoon, July, 1888. In coll. Swinhoe.

324. *Perigea dolorosa*.

Mamestra dolorosa, Walker, xxxii., p. 667 (1865).

Rangoon, July, 1888. In coll. Swinhoe.

325. *Amyna selenampha*.

Amyna selenampha, Guén., Noct., i., 406, 378 (1852).

Alamis spoliata, Walker, xiii., p. 1050 (1857).

Hadena latipennis, Walker, xxxiii., p. 738 (1865).

(Type, *spoliata*). Moulmein. In B. M.

Moulmein, July, 1888. In coll. Swinhoe.

Rangoon, June and July, 1888. In Phayre Museum, Rangoon.

326. *Spodoptera cilium*.

Spodoptera cilium, Guén., Noct., i., 156, 249 (1852).

S. insulsa, Walker, xxxii., p. 648 (1865).

Bassein, August, 1888. In Phayre Museum, Rangoon.

327. *Prodenia littoralis*.

Hadena littoralis, Boisd., Faun. Ent. Madag. Lep., p. 91, pl. 13, f. 8 (1834).

Neuria retina, Freyer, Beitr. Schm., v., p. 161, pl. 478, f. 2, 3 (1846).

Prodenia ciligera, Guén., Noct., i., 164, 260 (1852).

P. testaceoides, Guén., l. c., No. 262, pl. 6, f. 7.

P. glaucistriga, Walker, ix., p. 197 (1856).

P. subterminalis, Walker, ix., p. 196.

P. declinata, Walker, xi., p. 723 (1857).

Moulmein. In B. M.

Rangoon. In coll. Swinhoe.

328. *Prodenia nubes*.

Spodoptera nubes, Guén., Noct., i., 155, 246 (1852).

S. filium, Guén., l. c., No. 248.

Prodenia infecta, Walker, ix., p. 196 (1856).

P. insignata, Walker, ix., p. 197.

Agrotis transducta, Walker, x., p. 344 (1856).

Laphygma squalida, Walker, xxxii., p. 652 (1865).

Prodenia venustula, Walker, xxxii., p. 654.

Agrotis submarginalis, Walker, xxxii., p. 699.

Prodenia permunda, Walker, xi., p. 723 (1857).

Moulmein, June, 1888. In Phayre Museum, Rangoon.

Rangoon. In coll. Swinhoe.

329. *Laphygma exigua*.

Noctua exigua, Hübn., Samml. Eur. Schm. Noct., f. 362 (1810).

Rangoon, August, 1888. In Phayre Museum, Rangoon.

PLUSIIDÆ.

330. *Plusia signata*.

Noctua signata, Fabr., Ent. Syst., iii., 2, 81 (1794).

Rangoon, October, 1888. In coll. Swinhoe.

331. *Plusia verticillata*.

Plusia verticillata, Guén., Noct., ii., 344, 1168 (1852).

Rangoon, October and November, 1888. In coll. Swinhoe.

332. *Plusiodonta auripicta*.

Plusiodonta auripicta, Moore, Descr. Ind. Lep. Atk., ii., p. 150 (1882).

Rangoon, June and July, 1888. In coll. Swinhoe.

333. *Plusiodonta chalytoides*.

Plusiodonta chalytoides, Guén., Noct., ii., 360, 1201 (1852).

Deva conducens, Walker, xii., p. 963 (1857).

Plusia agens, Felder & R., Reise Nov. Lep., iv., pl. 110, f. 32 (1872).

Rangoon, August, September, and October, 1888. In coll. Swinhoe.

EURHIPIDÆ.

334. *Targalla infida*.

Targalla infida, Walker, xiii., p. 1008 (1857).

Penicillaria ludatrix, Walker, xv., p. 1773 (1858).

(Type). Moulmein. In B. M.

335. *Anuga lunulata*.

Anuga lunulata, Moore, P. Z. S., 1867, p. 62.

Rangoon, January, 1887; September, 1888. In coll. Swinhoe.

ERIOPIDÆ.

336. *Callopietria duplicans*.

Callopietria duplicans, Walker, xii., p. 866 (1857).

(Type). Moulmein. In B. M.

337. *Calloplistria recurvata*.

Calloplistria recurvata, Moore, Descr. Ind. Lep. Atk.,
ii., p. 144 (1882).

Rangoon, July, 1888. In coll. Swinhoe.

HYBLÆIDÆ.

338. *Hyblæa constellata*.

Hyblæa constellata, Guén., Noct., ii., 391, 1251 (1852).
Tavoy. In I. M., Calcutta.

339. *Hyblæa firmamentum*.

Hyblæa firmamentum, Guén., Noct., ii., 392, 1253, ♂
(1852).

H. tenebrionis, Felder & R., Reise Nov. Lep., pl. 111,
f. 11, ♀ (1872).

Mandalay. In coll. Swinhoe.

340. *Hyblæa puera*.

Phalæna puera, Cram., Pap. Exot., ii., pl. 103, f. D, E
(1777).

Noctua saga, Fabr., Mant. Ins., ii., 137, 29 (1787).

N. unxia, Hübn., Eur. Schm. Noct., fig. 513 (1810).

Heliothis apricans, Boisd., Faun. Ent. Madag., p. 98,
pl. 15, f. 7 (1834).

Moulmein. In B. M.

Bassein, August, 1888. In coll. Swinhoe.

GONOPTERIDÆ.

341. *Cosmophila xanthindyma*.

Cosmophila xanthindyma, Boisd., Faun. Ent. Madag.
Lep., 94, pl. 13, f. 7 ♂ (1834).

C. indica, Guén., Noct., ii., 396, 1256, ♀ (1852).

C. variolosa, Walker, xi., p. 750 (1857).

Cirrædia edentata, Walker, xi., p. 750.

Rangoon, October, 1888. In coll. Swinhoe.

342. *Arthisma scissuralis*.

Arthisma scissuralis, Moore, P. Z. S., 1883, p. 20.

Bhamo, October, 1882. Rangoon, July, 1888. In
coll. Swinhoe.

343. *Rusicada brunnea*, n. sp. (Pl. VIII., fig. 2, ♀).

Gonitis brunnea, Moore, Descr. Ind. Lep. Atk., ii., p. 153, ♂ (1882).

♀. Olive-brown; palpi yellowish below and at the tips of the second joints. Fore wing with an indistinct incomplete brown band or diffusely sinuous line before the middle, which is more apparent on the lower portion; a blackish indistinct spot in the centre of the cell, a blackish lunule edged outwardly with whitish closing the cell, a black sinuous post-medial line edged outwardly with whitish, a submarginal sinuous row of black points edged with whitish, a large apical whitish patch and marginal whitish lunular line, four pale points on the costa towards the apex; fringe brown. Hind wings unmarked, whitish at the base; cilia pale pinkish, interlined with brown. Abdomen pale at the base. Under side pale pinkish grey, suffused with pale brown in the lower central portion of fore wings; apical costal points distinct, and a recurved black post-medial line across both wings; tarsi brown, banded with white. Expanse of wings, $1\frac{6}{10}$ in.

Bassein, August, 1888. In coll. Swinhoe.

344. *Rusicada albitibia*.

Gonitis albitibia, Walker, xiii., p. 1001 (1857).

Rusicada nigratarsis, Walker, xiii., p. 1006.

Rangoon, July and October, 1888. In coll. Swinhoe.

345. *Gonitis latimargo*.

Gonitis latimargo, Walker, xiii., p. 1002 (1857).

(Type). Moulmein. In B. M.

346. *Gonitis metaxantha*.

Gonitis metaxantha, Walker, xiii., p. 1005 (1857).

Rangoon, September, 1885. In coll. Swinhoe.

347. *Thalatta precedens*.

Thalatta precedens, Walker, xiii., p. 996 (1857).

(Type). Moulmein. In B. M.

AMPHIPYRIDÆ.

348. *Blenina accipiens*.

Blenina accipiens, Walker, xiii., p. 1215 (1857).

Rangoon, September, 1888. In coll. Swinhoe.

CATOCALIDÆ.

349. *Catocala albifascia*.

Catocala albifascia, Walker, xxxiii., p. 993 (1863).

(Type). Moulmein. In B. M.

Rangoon. In coll. Moore.

TOXOCAMPIDÆ.

350. *Toxocampa metaspila*.

Toxocampa metaspila, Walker, xiii., p. 1032 (1857).

Rangoon, June, 1888. In coll. Swinhoe.

POAPHILIDÆ.

351. *Poaphila marginata*.

Poaphila marginata, Walker, xxxiii., p. 991 (1865).

(Type). Moulmein. In B. M.

352. *Phurys enervis*, n. sp. (Pl. VIII., fig. 8).

Greyish brown; palpi at the sides and antennæ blackish brown. Wings shaped as in *Sanys rivulosa*, Walker, slightly curving in below the semi-falcated apex; a black dot for the reniform, a whitish thin transverse ear-shaped mark, faintly brown-ringed, for the orbicular; both wings with many transverse faint brown shades, the only ones distinguishable without a glass being—1st, one-third from base, faint on fore wings, not visible on hind wings; 2nd, central double-lined across both wings, with the interspace darker; 3rd, from apex of fore wings to abdominal margin of hind wings just beyond the middle; a straight distinct pale yellowish line from costa near apex to abdominal margin near anal angle; brown marginal line and blackish points; cilia with pale basal line. Expanse of wings, $1\frac{1}{10}$ in.

Rangoon, September, 1888. In coll. Swinhoe.

Allied to *P. strigata*, Moore; differs much in its smaller size, straight bands, and submarginal pale line across both wings, *P. strigata* having no bands or lines on the hind wing.

353. *Phurys strigata*.

Phurys strigata, Moore, P. Z. S., 1867, p. 80.

Rangoon. June and July, 1888. In coll. Swinhoe,

354. *Arasada lycaugesaria*, n. sp.

Palpi, antennæ, and head brown. Body and wings pinkish white; a brown thin band on the collar in front, a brown band across the centre of the thorax. Abdomen with thin segmental bands of white edged with brown, a broader brown band in the centre corresponding to the brown band on the hind wings. Wings sparsely irrorated with chocolate-brown atoms. Fore wings with the costal line chocolate-brown; a subcostal streak of that colour from the base to the apex, three black subapical points on the costa, also black marginal points, and the irrorations thicker towards the margin, giving it a slightly darker tint, a straight band from the outer margin just above the hinder angle of the fore wings to the centre of the abdominal margin of the hind wings, followed on the latter by a pure white band, with a small outward angle in its centre, and lined on both sides with black, then a small pale space with some black atoms in it, the whole of the hind wing darker than the fore wing, but paling towards its base, and with a suffused dark band in the marginal space, duplex in part, and running to the outer and apical margins, with a blackish spot near the latter; marginal points black; fringe marked with brown. Expanse of wings, 1 in.

Rangoon, August, 1888. In coll. Swinhoe.

Allied to *A. ruptifascia*, Moore; can be easily distinguished by its longitudinal bands, which makes the insect look much like *Lycauges postvittata*, a Geometrite of the family *Idæidæ*.

355. *Nasaya hepatica*.

Nasaya hepatica, Moore, Descr. Ind. Lep. Atk., ii., p. 173 (1882).

Rangoon, July, 1888. In coll. Swinhoe.

356. *Dierna acanthusalis*.

Dierna acanthusalis, Walker, xvi., p. 205 (1858).

Nahara clavifera, Walker, xxxiii., p. 1004 (1865).

(Type, *clavifera*). Moulmein. In B. M.

CATEPHIDÆ.

357. *Felinia spissa*.

Felinia spissa, Guén., Noct., iii., 322, 1783 (1852).

Briarda decens, Walker, xiii., p. 1098 (1857).

Bassein. Sept., 1888. In Phayre Museum, Rangoon.

358. *Arcte cærulea*.

Cocytodes cærulea, Guén., Noct., iii., 41, 1370, pl. 13, f. 10 (1852).

Mandalay. In coll. Swinhoe.

This insect has been for years in the B. M. wrongly labelled *A. modesta*, Van der Høeven, and a larger *Arcte* with a broad black zigzag linear fascia as *A. cærulea*, Guén.; but, as Mr. Moore pointed out to me, a glance at Guenée's plate ought to be sufficient to put the matter right.

359. *Catephia linteola*.

Catephia linteola, Guén., Noct., iii., 44, 1375 (1852).

Moulmein. In B. M.

Rangoon, July, 1888. In coll. Swinhoe.

360. *Hyospila bolinoides*.

Hyospila bolinoides, Guén., Noct., iii., 358, 1832 (1852).

Thermesia signipalpis, Walker, xv., p. 1572 (1858).

Rangoon, April and October, 1888. In coll. Swinhoe.

Mergui. In I. M., Calcutta.

361. *Mosara lateralis*.

Anophia lateralis, Walker, xxxiii., p. 917 (1865).

Mosara apicalis, Walker, xxxiii., p. 1032 (1865).

Rangoon, September, 1888. In Phayre Museum, Rangoon.

(Type, *lateralis*). Moulmein. In B. M.

362. *Anophia longinquua*, n. sp.

Blackish brown, irrorated slightly with grey; dorsal tufts on abdomen paler than the abdomen, which is nearly black; some white hairs at the base. Fore wings with several transverse indistinct blackish sinuous and partly dentated lines; costa with yellowish subapical points, orbicular and reniform whitish, indistinct, former minute, latter large, ear-shaped. Hind wings slightly paler than fore wings, without lines or marks, but with a large white spot in the centre. Under side paler, a black marginal lunular line and white points and whitish fringe, and a white central abbreviated band on both wings. Expanse of wings, 1 in.

Rangoon, August, 1888. In coll. Swinhoe.

Allied to *A. olivescens*, Guérin, from which it principally differs in its smaller size, and in the colour of the hind wings being blackish brown with a white central spot instead of half-brown and half-white, as in that species.

363. *Anophia undara*, n. sp.

Blackish brown. Fore wings with five pale yellowish points on costa towards the apex, with many black marks on the costa, and the entire wing with numerous deep black sinuous lines across the wing; marginal line deep black, lunular with black central spots. Hind wings darker than the fore wings, unmarked; fringe of hind wings interlined, and with a pale basal line. Under side paler, uniformly coloured, except towards hinder margin of fore wings, which is whitish, the pale points on the costa more distinct, black streaks between the veins on the outer portions of both wings and fringe deeply interlined with black. Expanse of wings, 1 in.

Rangoon, August, 1888. In coll. Swinhoe.

Allied to *A. longinqua*, but quite distinct in the markings, and with no white spot or bands above or below.

364. *Stictoptera illucida*.

Stictoptera illucida, Walker, xxxiii., p. 918 (1865).

S. chalybea, Butler, P. Z. S., 1883, p. 163.

(Type, *illucida*). Moulmein. In B. M.

365. *Stictoptera grisea*.

Stictoptera grisea, Moore, P. Z. S., 1867, p. 67.

Burma. In coll. Swinhoe.

366. *Erygia apicalis*.

Erygia apicalis, Guén., Noct., iii., 50, 1381 (1852).

Calicula exempta, Walker, xv., p. 1808 (1858).

(Type of *exempta*). Moulmein. In B. M.

367. *Odontodes aleuca*.

Odontodes aleuca, Guén., Noct., iii., 51, 1382 (1852).

Briarda bolinooides, Walker, xv., p. 1802 (1858).

Steira subfasciata, Walker, xxxiii., p. 922 (1865).

S. quadristrigata, Walker, xxxiii., p. 923.

(Types of *bolinoides* and *subfasciata*). Moulmein.
In B. M.

Rangoon, August, 1886; September, 1888. In coll.
Swinhoe.

A very variable insect. Undoubtedly all the above
are one and the same species.

368. *Lophoptera costata*.

Lophoptera costata, Moore MS., Butler, P. Z. S., 1883,
p. 163.

Rangoon, October, 1888. In coll. Swinhoe.

HYPOGRAMMIDÆ.

369. *Dinumma mystica*.

Dinumma mystica, Walker, xv., p. 1807 (1858).

(Type). Moulmein. In B. M.

370. *Dinumma placens*.

Dinumma placens, Walker, xv., p. 1806 (1858).

Rangoon, June, 1888. In coll. Swinhoe.

371. *Gadirtha impingens*.

Gadirtha impingens, Walker, xiii., p. 1103 (1857).

(Type). Moulmein. In B. M.

372. *Gadirtha inexacta*.

Gadirtha inexacta, Walker, xiii., p. 1102 (1857).

(Type). Moulmein. In B. M.

373. *Hypogramma quadrinotata*.

Hypogramma quadrinotata, Walker, xxxiii., p. 893
(1865).

(Type). Moulmein. In B. M.

374. *Selepa curiosa*, n. sp.

Pinkish grey. Palpi brown at the sides and tips. Antennæ,
two lines on the collar, and spot in front of thorax, dark brown.
Abdomen with white segmental lines and brown bands. Fore
wings suffused in parts with white, thickly so at the base, upper
and outer portions, some basal indistinct brown marks, a duplex

curved brown band of thick lines, bent inwards from the hinder margin one-third from the base, then curving outwardly and above and in on to the costa at one-fourth from the base; a fine sinuated nearly upright central line, a fine dentated discal line curving somewhat like the band, outwardly margined with pale pinkish white; a submarginal lunular line with white points, well separated from the margin, and outside of it at the apex is a large brown patch; marginal points black; fringe pale pinkish white, with some brown longitudinal streaks; a fine lunule at the end of the cell with a spot behind it. Hind wing white, brownish grey towards the apical border. Expanse of wings, $9\frac{1}{2}$ -10ths in.

Rangoon, July, 1888. In coll. Swinhoe.

In the shape of its wings it is somewhat similar to *Selepa vitea*, Swinhoe, but in coloration and markings quite distinct from all other described species of this genus.

375. *Selepa celtis*.

Selepa celtis, Moore, Cat. E. Lep. I. C., ii., p. 353, pl. 9a, f. 9, and pl. 16, f. 8, 8a, larva (1859).

Subrita curviferella, Walker, xxxv., p. 1745 (1866).

Rangoon. In Phayre Museum, Rangoon.

376. *Selepa vitea*.

Selepa vitea, Swinhoe, P. Z. S., 1885, p. 460, pl. 27, f. 17.

Rangoon. In coll. Swinhoe.

All the insects of this genus have three free veins in the hind wing like a *Pyrale*, but otherwise they are true Noctuids, and the larva is that of a Hypogrammid.

377. *Symitha punctata*, n. sp. (Pl. VII., fig. 15).

Antennæ brown; general coloration pale pinkish grey, irrorated with chocolate-brown; tips of palpi whitish. Fore wing with the irrorations in parts rather dense, forming indistinct incomplete transverse shades, spots black, one or two on the thorax, one at the base of fore wing, three in a row subbasal, first on the costa, second below near it, third in the interno-median area one-third from base, another in the centre above the submedian vein; a submarginal and a marginal row of spots, one or two of them at the apex, forming short streaks. Hind wing whitish on the costa, brownish towards the exterior border; fringe of both wings interlined. Expanse of wings, $\frac{9}{10}$ in.

Rangoon, June, 1886. In coll. Swinhoe.

There is an example of this insect in Mr. Moore's collection from Darjiling. Distinguishable from all other species of this genus by the spotted nature of the fore wings.

378. *Cletthora mirabilis*, n. sp.

Reddish fawn-colour. Body and fore wings suffused with white, lightly tinged with pale pinkish. Abdomen grey, with the segments clearly defined. Fore wings with the subcostal, median, and outer veins prominent, thickly suffused with whitish on the space below the median vein, and irrorated with black atoms; an indistinct outwardly curved row of subbasal spots, two white recurved slightly sinuous lines, ante-medial and discal, a blackish space against the outer part of the outer line near the hinder angle. Hind wings more red than the fore wings, paling at the base. Expanse of wings, $\frac{9}{10}$ in.

Rangoon, August, 1888. In coll. Swinhoe.

Allied to *Cletthora valida*, Walker, from Borneo; differs in the absence of the black streaks and the white transverse curved lines.

379. *Cletthora bilinea*, n. sp.

Palpi brownish; two last joints with pale tips. Antennæ brown above, pale beneath. Body purplish brown; top of the head, a spot on the collar, sides and base of thorax, and tips of abdomen with the anal tuft, pale pinkish grey; ground colour of fore wings pale pinkish grey, mostly suffused with purplish brown, with pale spaces in parts of the centre and outer portions; median and outer veins prominent; a large black lunular mark at end of cell, and a small spot inside it, two pale transverse erect lines, ante-medial and discal, the former bent inwards below the median vein, and curving outwardly above and in on to the costa, the latter nearly straight, curving very slightly inwards, a row of black dots in a pale suffused band between this line and the margin, the centre spots most prominent; cilia brown. Hind wings reddish in the centre, purplish brown on the costal and abdominal portions; cilia purplish brown, with a pale basal line. Expanse of wings, 1 in.

Rangoon, August, 1888. In coll. Swinhoe.

Allied to *C. mirabilis*, but can easily be distinguished by the two pale transverse lines.

POLYDESMIDÆ.

380. *Pandesma jubra*.

Pandesma jubra, Swinhoe, P. Z. S., 1889, p. 413,
pl. xlv., f. 4.

Rangoon, June, 1888. In coll. Swinhoe.

381. *Polydesma boarmoides*.

Polydesma boarmoides, Guén., Noct., ii., 441, 1314
(1852).

P. mastrucata, Felder & R., Reise Nov. Lep., pl. 111,
f. 31 (1872).

Rangoon, June, 1888. In Phayre Museum, Rangoon.

HOMOPTERIDÆ.

382. *Homoptera solita*.

Homoptera solita, Walker, xiii., p. 1068 (1857).

(Type). Moulmein. In B. M.

383. *Girpa fraterna*.

Girpa fraterna, Moore, Lep. Ceylon, iii., p. 94, pl. 156,
figs. 5, 5 a (1884).

Rangoon, July, 1888. In coll. Swinhoe.

384. *Girpa inangulata*.

Hulodes inangulata, Guén., Noct., iii., 210, 1612 (1852).

Remigia optativa, Walker, xiv., p. 1510 (1858).

R. optatura, Walker, xv., p. 1848 (1858).

R. comitata, Walker, xxxiii., p. 1018 (1865).

Hulodes umbrosa, Walker, Char. Undescrib. Lep. Het.,
p. 91 (1869).

Rangoon, July, 1888. In coll. Swinhoe.

385. *Girpa pertendens*.

Remigia pertendens, Walker, xiv., p. 1512 (1858).

Rangoon, June, 1888. In Phayre Museum, Rangoon.

OPHIDERIDÆ.

386. *Othreis ancilla*.

Phalæna (Noctua) ancilla, Cram., Pap. Exot., ii.,
pl. 149, f. F (1777).

Ophiusa strigata, Donovan., Ins. Ind., pl. 54, f. 2 (1838).
Othreis homæna, Hübn., Verz. Bek. Schm., 264, 2597
 (1816).

Ophideres bilineosa, Walker, xiii., p. 1227 (1857).
 Rangoon. In coll. Swinhoe.

387. *Othreis cajeta*.

Phalæna (*Noctua*) *cajeta*, Hübn., Verz. Bek. Schm.,
 265, 2599 (1816).

Ophideres multiscripta, Walker, xiii., p. 1226 (1857).
 Moulmein. In B. M.

388. *Othreis fullonica*.

Phalæna (*Noctua*) *fullonica*, Linn., Syst. Nat., ii., 812,
 16 (1767).

Noctua discoreæ, Fabr., Sp. Ins., ii., 212, 15 (1781).

Phalæna (*Noctua*) *pomona*, Cram., Pap. Exot., i.,
 pl. 77, f. c (1776).

Tavoy. In I. M., Calcutta.
 Moulmein, in B. M.

389. *Rhytia hypermnestra*.

Phalæna (*Noctua*) *hypermnestra*, Cram., Pap. Exot.,
 iv., pl. 323, f. A, B (1780).

Moulmein. In B. M.

390. *Phyllodes consobrina*.

Phyllodes consobrina, Westw., Cab. Or. Ent., p. 57,
 pl. 28, f. 2 (1848).

Moulmein. In B. M.

391. *Phyllodes verhuellii*.

Phyllodes verhuellii, Voll., Tijd. Voor. Ent., i., p. 166,
 pl. 8 (1858).

Tavoy. In I. M., Calcutta.

392. *Ischyja manlia*.

Phalæna (*Noctua*) *manlia*, Cram., Pap. Exot., i., pl. 92,
 f. A (1776).

Moulmein. In B. M.

393. *Ischyja schlegelii*.

Ischyja schlegelii, Snellen, Tijds. Voor. Ent., 1885, p. 4,
pl. 1, f. 2.

Rangoon, July, 1888. In coll. Swinhoe.

394. *Lygniodes hypoleuca*.

Lygniodes hypoleuca, Guén., Noct., iii., 125, 1500
(1852).

Moulmein. In B. M.

EREBIIDÆ.

395. *Oxyodes scrobiculata*.

Noctua scrobiculata, Fabr., Sp. Ins., ii., 212, 14 (1781).
Phalæna (Noctua) clytia, Cram., Pap. Exot., iv., pl. 399,
f. G (1782).

Rangoon, September and November, 1888. In coll.
Swinhoe.

396. *Sypna apicalis*.

Sypna apicalis, Butler, Trans. Ent. Soc. Lond., 1881,
p. 206.

Tavoy. In I. M., Calcutta.

OMMATOPHORIDÆ.

397. *Patula macrops*.

Phalæna (Attacus) macrops, Linn., Syst. Nat., xii., iii.,
225 (1768).

Noctua bubo, Fabr., Sp. Ins., ii., 209, 3 (1781).

Patula boopis, Guén., Noct., iii., 178, 1560 (1852).

Moulmein. In B. M.

Rangoon, June, 1886. In coll. Swinhoe.

398. *Argiva caprimulgus*.

Noctua caprimulgus, Fabr., Sp. Ins., ii., 210, 6 (1781).

Nyctipao exterior, Walker, xiv., p. 1306 (1858).

N. obliterans, Walker, xiv., p. 1307.

Moulmein. In B. M.

Tavoy. In I. M., Calcutta.

Rangoon. In coll. Swinhoe.

399. *Argiva hieroglyphica*.

Phalena (*Noctua*) *hieroglyphica*, Drury, Ins. Exot., ii., p. 3, pl. 2, f. 1, ♀ (1773).

P. (*Noctua*) *mygdonia*, Cram., Pap. Exot., ii., pl. 174, f. F (1777).

P. (*Noctua*) *hermonia*, Cram., l. c., f. E.

Noctua ulula, Fabr., Sp. Ins., ii., 211, 9 ♂ (1781).

Moulmein, in B. M.

Mergui. In I. M., Calcutta.

400. *Nyctipao crepuscularis*.

Phalena crepuscularis, Linn., Syst. Nat., x., p. 509 (1758).

Nyctipao lætitia, Butler, Ill. Typ. Lep. Het. B. M., iii., p. 26, pl. 47, f. 9 (1879).

Moulmein. In B. M.

Tavoy and Mergui. In I. M., Calcutta.

401. *Entomogramma fautrix*.

Entomogramma fautrix, Guén., Noct., iii., 204, 1604 (1852).

Upper Tenasserim. In I. M., Calcutta.

402. *Speiredonia retrahens*.

Speiredonia retrahens, Walker, xiv., p. 1294 (1858).

Sericia parvipennis, Walker, xiv., p. 1297.

Ommatophora albifascia, Walker, xxxiii., p. 947 (1865).

Speiredonia conspicua, Felder & R., Reise Nov. Lep., pl. 113, f. 7 (1873).

Rangoon, July, 1888. In coll. Swinhoe.

403. *Speiredonia zamis*.

Phalena (*Noctua*) *zamis*, Stoll, Cram., Pap. Exot., v., p. 162, pl. 36, f. 11 (1790).

Rangoon, June, 1888. In coll. Swinhoe.

404. *Sericia anops*.

Sericia anops, Guén., Noct., iii., 173, 1564 (1852).

Rangoon. In Phayre Museum, Rangoon.

HYPOPYRIDÆ.

405. *Spiramia cohærens*.

Spiramia cohærens, Walker, xiv., p. 1321 (1858).

(Type). Moulmein. In B. M.

Rangoon, July, 1888. In coll. Swinhoe.

406. *Spiramia helicina*.

Speiredonia helicina, Hübn., Zütr. Samml. Exot. Schm.,
iii., 14, 219, figs. 437—8 (1825).

Rangoon, July, 1888. In coll. Swinhoe.

407. *Hypopyra vespertilio*.

Noctua vespertilio, Fabr., Mant. Ins., ii., 136, 16, ♂
(1787).

Hypopyra shiva, Guén., Noct., iii., 199, 1597, ♀ (1852).

Moulmein. In B. M.

Rangoon, July, 1888. In coll. Swinhoe.

408. *Hypopyra unistrigata*.

Hypopyra unistrigata, Guén., Noct., iii., 201, 1601
(1852).

Maxula idonea, Walker, xxxii., p. 1096 (1865).

Angerona polusaria, Walker, xx., p. 243 (1860).

Moulmein. In B. M.

BENDIDÆ.

409. *Hulodes drylla*.

Hulodes? *drylla*, Guén., Noct., iii., 209, 1609, pl. 24,
f. 10 (1852).

Hypopyra restorans, Walker, xiv., p. 1328 (1858).

Moulmein. In B. M.

Rangoon, July, 1888. In coll. Swinhoe.

410. *Hulodes saturnioides*.

Hulodes saturnioides, Guén., Noct., iii., 209, 1610
(1852).

H. saturnioides, var., Walker, xiv., p. 1336 (1858).

(Var. type). Moulmein. In B. M.

411. *Hamodes discistriga*.

Hypernaria discistriga, Moore, P. Z. S., 1867, p. 78.
Rangoon, July, 1888. In coll. Swinhoe.

412. *Hamodes unilinea*, n. sp.

Fawn-colour; palpi brown, collar reddish. Abdomen with thin brown bands on the segments. Wings irrorated with black atoms; costa of fore wings pale; a pale slightly sinuous line across both wings from the costa of fore wings one-third from the apex to the abdominal margin of hind wings, one-third from the anal angle, the veins outside this line pale and rather prominent; a brownish indistinct patch on the fore wings outside the line touching the hinder margin, and a row of submarginal black dots on both wings. Expanse of wings, $1\frac{8}{10}$ in.

Beeling, March, 1886. In coll. Swinhoe.

Differs from *H. discistriga* in its smaller size, difference of colour, and the transverse line being sinuous and going evenly across the wings to the costa one-third from apex, whereas *discistriga*, which is yellowish, has a red line across the wings, nearly straight, and extending to the apex.

OPHIUSIDÆ.

413. *Melioptis cyllaria*.

Phalena (Noctua) cyllaria, Cram., Pap. Exot., iii.,
pl. 251, f. c, d (1779).

Rangoon, May, 1886. In coll. Swinhoe.

414. *Melioptis cyllota*.

Achæa cyllota, Guén., Noct., iii., 248, 1669 (1852).

A. signivitta, Walker, xiv., p. 1398 (1858).

Moulmein. In B. M.

415. *Melioptis pannosa*.

Ercheia pannosa, Moore, P. Z. S., 1883, p. 24.

Rangoon, July, 1888. In Phayre Museum, Rangoon.

416. *Thyas dotata*.

Noctua dotata, Fabr., Ent. Syst., iii., 2, 55, 153 (1794).

Moulmein. In B. M.

Hpongadoo, April, 1886. In coll. Swinhoe.

417. *Thyas honesta*.

Thyas honesta, Hübn., Samml. Exot. Schm., ii., Index,
p. 4, figs. 1—2 (1820—26).

Rangoon, July, 1888. In coll. Swinhoe.

418. *Minucia tumidilinea*.

Ophiusa tumidilinea, Walker, xiv., p. 1433 (1858).

Rangoon, June and July, 1888. In coll. Swinhoe.

419. *Ophisma contenta*.

Ophisma contenta, Walker, xiv., p. 1381 (1858).

(Type). Moulmein. In B. M.

Rangoon, June and July, 1888. In coll. Swinhoe.

420. *Ophisma certior*.

Ophisma certior, Walker, xiv., p. 1381 (1858).

(Type). Moulmein. In B. M.

421. *Ophisma gravata*.

Ophisma gravata, Guén., Noct., iii., 237, 1648 (1852).

Rangoon, August, 1888. In Phayre Museum, Rangoon.

422. *Pindara illibata*.

Noctua illibata, Fabr., Syst. Ent., 592, 8 (1775).

Hemeroblemma peropace, Hübn., Zütr. Samml. Exot.
Schm., iii., 33, 271, figs. 541—2 (1825).

Ophisma letabilis, Guén., Noct., iii., 241, 1657 (1852).

Moulmein. In B. M.

Rangoon, July, 1888. In coll. Swinhoe.

423. *Achæa combinans*.

Achæa combinans, Walker, xiv., p. 1399 (1858).

Rangoon, September, 1888. In coll. Swinhoe.

424. *Achæa melicerte*.

Phalæna (*Noctua*) *melicerte*, Drury, Ins., i., p. 46,
pl. 23, f. 1 (1770).

Noctua tigrina, Fabr., Sp. Ins., 218, 52 (1781).

Moulmein. In B. M.

Rangoon, June and August, 1888. In coll. Swinhoe.

425. *Achæa serva*.

Noctua serva, Fabr., Syst. Ent., 593, 13 (1775).

N. vulpina, Fabr., Ent. Syst., iii., 2, 39, 102 (1794).

N. mercatoria, Fabr., l. c., p. 62, No. 175.

Achæa ino, Hübn., Verz. Bek. Schm., 269, 2644 (1816).

Rangoon, October, 1888. In Phayre Museum, Rangoon.

426. *Psimada quadripennis*.

Psimada quadripennis, Walker, xv., p. 1828 (1858).

Rangoon, September, 1888. In coll. Swinhoe.

427. *Naxia calefaciens*.

Naxia calefaciens, Walker, xiv., p. 1405 (1858).

Rangoon, October, 1888. In Phayre Museum, Rangoon.

428. *Delgamma calorifica*.

Naxia calorifica, Walker, xiv., p. 1406 (1858).

Rangoon, July, 1888. In coll. Swinhoe.

429. *Caranilla onelia*.

Naxia onelia, Guén., Noct., iii., 258, 1679 (1852).

Ophiusa obumbrata, Walker, xxxiii., p. 969 (1858).

O. umbrosa, Walker, xxxiii., p. 968.

Rangoon, July, 1888. In coll. Swinhoe.

430. *Passipeda hæmorrhoda*.

Calesia hæmorrhoda, Guén., Noct., iii., 258, 1683 (1852).

C. patna, Felder & R., Reise Nov. Lep., iv., pl. 117, f. 17 (1873).

Tavoy. In I. M., Calcutta.

Rangoon, October and November, 1888. In coll. Swinhoe.

431. *Macaldenia palumba*.

Hulodes palumba, Guén., Noct., iii., 211, 1613 (1852).

Remigia colligens, Walker, xxxiii., p. 1019 (1865).

Moulmein. In B. M.

Rangoon, July, 1888. In coll. Swinhoe.

432. *Calesia dasyptera*.

Erebus dasypterus, Kollar, Hüg. Kasch., iv., 476, 5 (1848).

E. leucostigma, Kollar, l. c., No. 6.

Calesia comosa, Guén., Noct., iii., 258, 1682, pl. 21, f. 7 (1852).

C. stigmoleuca, Guén., l. c., No. 1685.

Moulmein. In B. M.

Rangoon, October, 1888. In coll. Swinhoe.

433. *Calesia flabellifera*.

Calesia flabellifera, Moore, P. Z. S., 1878, p. 849.

(Type). Upper Tenasserim. In I. M., Calcutta.

434. *Calesia gastropachoides*.

Calesia gastropachoides, Guén., Noct., iii., 258, 1684 (1852).

Upper Tenasserim. In I. M., Calcutta.

435. *Hypætra noctuoides*.

Hypætra noctuoides, Guén., Noct., iii., 259, 1686 (1852).

Moulmein. In B. M.

Rangoon, September, 1888. In coll. Swinhoe.

436. *Hypætra occularia*, n. sp. (Pl. VIII., fig. 4).

Palpi deep black, last joint grey. Antennæ dark brown above, grey beneath. Head, thorax, and fore wings dark almond-brown. Fore wing with some pale grey flecks; costa with a pale grey point one-third from the base, and five towards the apex, extreme base suffused with grey; a large grey spot below the median vein one-fourth from base, another still larger just beyond the centre of the wing, indented on the upper inner side, ringed with black and grey, and with two large black spots inside, like a large ear-shaped ocellus; subbasal, medial, ante-medial, and submarginal brown sinuous thin transverse bands, more or less indistinct, the first running outside the first large grey spot, the third outside the ocellus, and almost meeting the second on the hinder margin of the wing, the second and third margined with greyish on their inner sides, and the fourth on the outer side; the whole outer space of the wing outside the third band more densely marked with grey flecks; marginal festoon brown with grey points. Hind

wings blackish brown, paler at the base; some grey flecks on the anal margin; cilia of both wings reddish brown with brown tips. Under side: wings uniform brown, with prominent veins; body and legs brown; fore tibiae and tarsi greyish white, tibiae speckled with brown and with a brown spot, tarsi banded with brown, middle third tarsi with white bands on the joints; abdomen with white spots on the sides. Expanse of wings, 2 in.

Bassein, August, 1888. In coll. Swinhoe.

Differs from the other species of this genus in having an ocellus-shaped mark on fore wings.

437. *Dordura aliena*.

Hypætra aliena, Walker, xxxiii., p. 964, ♀ (1865).

Dordura apicalis, Moore, Descr. Ind. Lep. Atk., ii., p. 170, pl. 5, f. 20, ♂ (1882).

Rangoon, June, 1888. In coll. Swinhoe.

Though the types of these two are very dissimilar, it is evident, from the examination of a series of this insect, that it is extremely variable, and that *apicalis* is nothing more than a handsomely marked male of *aliena*.

438. *Ophiusa arcuata*.

Ophiusa arcuata, Moore, P. Z. S., 1877, p. 609.

O. joviana, Guén. (nec Cram.), Noct., iii., 269, 1702 (1852).

Rangoon, July and October, 1888. In coll. Swinhoe.

439. *Ophiusa crameri*.

Dysgonia crameri, Moore, Lep. Ceylon, iii., p. 177, pl. 171, f. 2 (1885).

Phalæna (Noctua) achatina, Cram. (nec Sulzer), Pap. Exot., iii., pl. 288, f. A (1780).

Tavoy. In I. M., Calcutta.

Palone, August, 1887. In coll. Swinhoe.

440. *Ophiusa fulvotænia*.

Ophiusa fulvotænia, Guén., Noct., iii., 272, 1710 (1852).

Moulmein. In B. M.

Rangoon, July, 1888. In coll. Swinhoe.

441. *Ophiusa joviana*.

Phalæna (*Noctua*) *joviana*, Cram., Pap. Exot., iv.,
pl. 399, f. B (1782).

Noctua sinuata, Fabr., Mant. Ins., ii., 145, 83 (1787).

Ophiusa myops, Guén., Noct., iii., 265, 1693 (1852).

Moulmein. In B. M.

Rangoon, July and October, 1888. In coll. Swinhoe.

442. *Grammodes ammonia*.

Phalæna (*Noctua*) *ammonia*, Cram., Pap. Exot., iii.,
pl. 250, f. D (1779).

Rangoon, October and November, 1888. In coll.
Swinhoe.

443. *Grammodes mygdon*.

Phalæna (*Noctua*) *mygdon*, Cram., Pap. Exot., ii.,
pl. 156, f. G (1777).

Moulmein. In B. M.

Rangoon, October, 1888. In coll. Swinhoe.

444. *Fodina stola*.

Fodina stola, Guén., Noct., iii., 275, 1715 (1852).

Moulmein. In B. M.

Tenasserim. In coll. Moore.

445. *Artena submira*.

Artena submira, Walker, xiv., p. 1389 (1858).

(Type). Moulmein. In B. M.

Rangoon, July, 1887. In coll. Swinhoe.

446. *Athyrra polypila*.

Athyrra polypila, Walker, xxxiii., p. 966 (1865).

Moulmein. In B. M.

Rangoon, August, 1888. In coll. Swinhoe.

447. *Athyrra semilugens*.

Hydrelia semilugens, Walker, xii., p. 814 (1857).

Baniana luteiceps, Walker, xxxiii., p. 1000 (1865).

(Types of *semilugens* and *luteiceps*). Moulmein. In
B. M.

EUCLIDIDÆ.

448. *Trigonodes cephise*.

Phalæna cephise, Cram., Pap. Exot., iii., pl. 227, f. c (1779).

Moulmein. In B. M.

Rangoon, October, 1888. In coll. Swinhoe.

449. *Trigonodes hyppasia*.

Phalæna (Noctua) hyppasia, Cram., Pap. Exot., iii., pl. 250, f. c (1779).

Trigonodes compar, Walker, xiv., p. 1451 (1857).

Moulmein. In B. M.

450. *Trigonodes maxima*.

Trigonodes maxima, Guén., Noct., iii., 282, 1723 (1852).

Moulmein. In B. M.

Thyetmyo. In Phayre Museum, Rangoon.

Rangoon, October, 1888. In coll. Swinhoe.

REMIGIIDÆ.

451. *Cauninda archesia*.

Phalæna (Noctua) archesia, Cram., Pap. Exot., iii., pl. 273, figs. f, g (1780).

Remigia bifasciata, Walker, xxxiii., p. 1014 (1865).

Moulmein. In B. M.

Mergui and Tavoy. In I. M., Calcutta.

452. *Remigia frugalis*.

Noctua frugalis, Fabr., Ent. Syst., iii., 2, 138 (1794).

Chalciope lycopodia, Geyer, Hübn., Zütr. Exot. Schm., 25, 449, figs. 897—8 (1837).

Remigia translata, Walker, xxxiii., p. 1015 (1865).

Moulmein. In B. M.

Mergui. In I. M., Calcutta.

Rangoon, July, 1888. In coll. Swinhoe.

453. *Remigia quæsita*.

Remigia quæsita, Swinhoe, P. Z. S., 1885, p. 468, pl. 27, f. 8.

Thyetmyo, June, 1888. In Phayre Museum, Rangoon.

Rangoon, October, 1888. In coll. Swinhoe.

ARMANA, n. g.

♂. Body moderately stout. Abdomen lanceolate, short, not extending to the end of hind wings, and slightly tufted at the tip; palpi vertical, second joint long, densely pilose, tufted at the tip, the tuft nearly covering the third joint, which is lanceolate, about one-fourth the length of the second and depressed, giving the palpi the form of a hooked tip. Antennæ as long as the body, crenulated; legs rather long; femora and tibiæ with long hairs on all the legs; middle and hind tibiæ with long spurs. Fore wing narrow, costa nearly straight, outer margin moderately oblique and slightly rounded, hinder margin outwardly curved towards the base.

Separable at once from the genus *Remigia* by its clean long tarsi, and from that genus and the genus *Cauninda* by its peculiar-shaped palpi.

454. *Armana nigrærecta*, n. sp. (Pl. VIII., fig. 1).

Palpi, face, and eyes deep black. Antennæ brown, their crenulations white; top of head, thorax, abdomen, and wings above of a uniform bright pale yellowish fawn-colour. Wings slightly irrorated with minute black atoms, which are denser on the outer half; two black spots on the cell-veins in the fore wings, one near the centre and the other towards the end of the cell, and one black spot on the cell-vein on the hind wings near the centre of the cell; a straight duplex brown band from the apex of the fore wings to the abdominal margin of hind wings, one-third from the anal angle, both wings outside this line shaded darker than the rest of the wings in consequence of the denser irrorations; a small blackish patch at the apex of fore wings on the outer side of the band, and two small black angles on the inner side, and a small black patch at the other end of the band towards the anal angle. Below yellower, irrorations on wings denser throughout, transverse band black, not duplex, fines down on hind wing, and terminates before reaching abdominal margin; a black spot in centre of each cell, and no black marks at either end of the band; fore and middle legs with blackish femora and tibiæ, and grey tarsi; hind legs with brown on the tarsi above. Expanse of wings, $1\frac{9}{10}$ in.

Bassein, August, 1888. In coll. Swinhoe.

PSEUDO-DELTOIDES.

FOCILLIDÆ.

455. *Zethes cristifera*.

Ephyrodes cristifera, Walker, xxxiii., p. 1071 (1865).

Catada epops, Felder & R., Reise Nov. Lep., pl. 120,
f. 42, ♀ (1873).

Bassein, August, 1888. In Phayre Museum, Rangoon.

456. *Zethes decolor*.

Focilla? *decolor*, Walker, xxxiii., p. 1029 (1865).

Bassein, September, 1888; Bhamo, October, 1882;
Rangoon, July, 1888. In coll. Swinhoe.

457. *Zethes hæsitans*.

Zethes hæsitans, Walker, xv., p. 1524 (1858).

(Type). Moulmein. In B. M.

458. *Zethes mopsa*, n. sp.

Fawn-colour, irrorated with greyish brown atoms. Fore wings with a white ear-shaped hyaline spot within the cell; four sinuous brown rather indistinct lines across both wings, outwardly curved on fore wings, nearly straight on hind wings; first basal, only apparent on fore wings, second before the hyaline spot, third and fourth beyond it, all nearly equidistant, the third thickening into a brownish band on the costa, and some indistinct thin sinuous lines between the transverse lines; a discal brown band, nearly straight, on both wings, immediately followed by a very fine indistinct sinuous line marked with whitish and blackish points and lunules, which on the fore wing run to the apex; marginal line brown; fringe brown, with a pale basal band. Expanse of wings, 1 in.

Rangoon, 1883. In coll. Swinhoe.

Differs from *Z. (Egnasia) inserpatalis*, Walker, in its smaller size, want of subapical whitish patch, and in the difference of the position of the transverse lines.

459. *Zethes compactilis*, n. sp. (Pl. VII., fig. 16).

Palpi, antennæ, and top of head reddish brown. Body and wings dark purplish grey. Abdomen with two reddish brown tufts at base, and a thin dorsal line of that colour, which thickens on to the anal tuft, which is brown at the tip and greyish white at the sides, as is

also the abdomen ; tegulæ covered with greyish white hairs. Fore wings entirely smeared with the same colour, and sparsely irrorated with brown atoms ; a very large brown patch on the hinder margin just before the middle, a faint band above running past the small grey-ringed orbicular, an equally large brown patch at the hinder angle, pale in its interior ; in some lights both patches are almost invisible on account of the speckled grey sheen on them, a grey curved line running through the last patch ; brown points close to the margin, which form a lunular line towards the angle ; costal and outer and inner marginal lines pale brown towards the apex, three pale dots on costa near apex, cilia dark brown. Hind wing darker, not being suffused with grey ; marginal line brown, lunular ; cilia brown, with a basal pale line ; abdominal border fringed with whitish hairs. Expanse of wings, $1\frac{4}{10}$ in.

Thyetmyo, November, 1887. In coll. Swinhoe.

Allied to *Zethes aristifera*, is smaller, differently coloured, has the two patches on the hinder border of fore wings, and differs altogether in general character.

460. *Zethes palliolata*, n. sp. (Pl. VIII., fig. 10).

Palpi brown, pale at the tips. Antennæ brown. Body and wings of a uniform luteous white, tinged with pale pinkish. Thorax with a thin brown line in front. Abdomen irrorated with grey ; segments marked with brown and white. Wings sparsely irrorated with chocolate-red atoms, the irrorations denser in parts, forming bands and lines ; reniform represented by a black spot, orbicular like a narrow ear, ringed with chocolate-red. Fore wing with a basal and two other equidistant outwardly curved lines within the basal third, which is dark from the denser irrorations, the outward line elbowed outwardly above and below, a duplex sinuous very short central line from the costa ; a duplex discal line straight from the abdominal margin of hind wing near the angle to the lower radial interspace on the fore wings, and from thence into three branches on to the costa ; first bent acutely inwards, second and third circling above round a whitish large subapical spot, a sinuous line beyond this duplex line, from the elbow on the fore wing to the anal angle of the hind wing, which is darkest on the margin ; there is also a darkish patch on the fore wing beyond the elbow ; submarginal points and marginal festoon brown ; a brown point near end of cell on hind wing. Expanse of wings, $1\frac{4}{10}$ in.

Rangoon. July, 1888. In coll. Swinhoe.

Allied to *Zethes decolor*, Walker ; somewhat similarly

marked, differs in colour, in the angulated nature of the inner bands, in the great difference in shape of the orbicular stigma, and absence of spot at anal angle.

461. *Zethes umbrifera*, n. sp.

Body purplish brown. Wings with the ground colour yellowish grey, but so covered with purplish brown shades as to be almost altogether of that colour, with the ground colour showing here and there. Fore wing with a large black spot below the costa one-fourth from the base, and another small one on a light ground beyond it; a brown line from the costa beyond the middle, forming a sharp outward angle, then sinuous downwards to the hinder margin beyond the middle; a corresponding semidentated brown band on hind wings, running straight across the wing to the abdominal margin near the anal angle, the latter outwardly pale-edged, as also is a submarginal similar band across both wings, well separated from the margin; a very large blackish spot or patch, rounded below, on the costa of fore wings near the apex, where there are five pale points; veins prominent; marginal points black, line brown; fringe variegated. Expanse of wings, $1\frac{4}{10}$ in.

Rangoon, November, 1888. In coll. Swinhoe.

Easily distinguishable from the other species by its sombre colour, and the black spot of raised scales below the costa near the base of the fore wings.

462. *Zethes exiguialis*, n. sp. (Pl. VII., fig. 8).

Chocolate-brown; palpi blackish brown. Fore wings with three blackish spots or patches on the basal half, a broad white central band, striated with chocolate-brown on the lower half, and becomes suffused into the general colour of the wing upwards before reaching the costa, its outer border bends outwards into an acute angle in its centre, the upper part of the angle being limited by a white streak from the apex of the angle to the middle of the costa on the last blackish spot; a pale transverse subapical line runs half-way down the wing, with a blackish diffused space on its inner side, and a subcostal blackish streak from this patch to the base of the wing; a submarginal row of pale points. Hind wings with a central band, corresponding to the band on the fore wings, but attenuated hindwards; some indistinct subbasal pale points and fringe on both wings with a pale basal line. Expanse of wings, $\frac{6}{10}$ in.

Rangoon, 1887. In coll. Swinhoe.

Not resembling any species known to me ; looks like a small *Pyrale*.

463. *Rhæsena obliquifasciata*.

Rhæsena obliquifasciata, Moore, Descr. Ind. Lep. Atk., ii., p. 183 (1882).

Rangoon, November, 1888. In coll. Swinhoe.

464. *Rhæsena transcissa*.

Rhæsena transcissa, Walker, xxxv., p. 1974 (1866).

Rangoon, July, 1888. In coll. Swinhoe.

Walker's type came from Australia, but my insect is identical with it, and Mr. Moore has it from Ceylon.

465. *Cultripalpa indistincta*.

Cultripalpa indistincta, Moore, Descr. Ind. Lep. Atk., ii., p. 183 (1882).

Bassein, August, 1888. In Phayre Museum, Rangoon.

466. *Cultripalpa partita*.

Cultripalpa partita, Guén., Noct., iii., 332, 1797 (1852).

Bassein. In Phayre Museum, Rangoon.

467. *Egnasia ephyrodalis*.

Egnasia ephyrodalis, Walker, xvi., p. 217 (1858).

Rangoon, November, 1888. In coll. Swinhoe.

468. *Egnasia reduplicalis*.

Egnasia? *reduplicalis*, Walker, xxxiv., p. 1179 (1865).

(Type). Moulmein. In B. M.

Rangoon, 1883, 1887; Bassein, August, 1888. In coll. Swinhoe.

469. *Egnasia talusalis*.

Egnasia talusalis, Walker, xvi., p. 219 (1858).

(Type). Moulmein. In B. M.

470. *Egnasia igneola*, n. sp.

Chocolate-colour. Body and both wings irrorated with white. Abdomen also with white flecks down each side. Fore wings with a pale yellowish spot for the orbicular; reniform bright igneous

yellow, transverse, with a small connected dot in front, and a short streak behind, a subbasal indistinct disconnected chocolate transverse band, another similarly coloured more distinct band just beyond, bent outwardly to and disconnected at the reniform, two others beyond the orbicular, one bent just outside it, where there is a large suffused dark chocolate space, the outer line white above, and deeply bent in on to the costa almost above the orbicular; a submarginal white line denticulated above, limiting the flaming subcostal patch, and sinuous below, the space between this and the inner band being more or less suffused with igneous yellow; another indistinct white and brown line close to the margin. Hind wings pale on the costal portion, a brown lunule at end of cell, a brown recurved line corresponding to the third line on the fore wings, a white recurved line corresponding to the fourth, edged on both sides with brown, followed by a yellowish band; the rest of the wing dark chocolate, with the submarginal white line and line close to the margin like those on the fore wing; cilia on both wings dark chocolate, interlined. Expanse of wings, $1\frac{2}{10}$ in.

Rangoon, August, 1886 and 1888. In coll. Swinhoe.

Differs from all other *Egnasia* in its oblique white subapical line on fore wings, the fiery-red mark at end of cell, and straight red-bordered black discal line on hind wing.

471. *Nagadeba ianthina*, n. sp.

Brownish purple; palpi white speckled with brown. Body and wings irrorated with greyish white atoms, a prominent white spot for the orbicular, reniform pale, indistinct; costal space towards apex smeared with white; both wings crossed by a white line, margined with brown on its inner side, which commences on the costa near the middle, runs straight towards the outer margin, forms an angle outside the reniform, and is slightly sinuous from thence to the abdominal margin of hind wing near anal angle; between this line and the base are several indistinct transverse brownish bands, and between this line and the outer margin is an indistinct sinuous whitish line, dentated in parts, and also margined inwardly with brown; cilia brown, with a fiery red basal band. Expanse of wings, $\frac{9}{10}$ in.

Rangoon, July, 1888. In coll. Swinhoe.

Has the white oblique subapical streak and bands disposed somewhat as in *Egnasia igneola*.

472. *Matella sinuosa*.

Egnasia sinuosa, Moore, Descr. Ind. Lep. Atk., ii., p. 184 (1882).

Moulmein. In coll. Moore.

473. *Daxata multifasciata*, n. sp. (Pl. VII., fig. 14).

Blackish brown, tinged with pinkish; palpi pinkish grey, marked with brown. Antennæ and body blackish brown; ground colour of wings pinkish grey, thickly suffused with blackish brown, and both wings crossed by many suffused fasciæ; a large black mark at the end of cell; costa with several black marks; a black sub-basal band on fore wings, an outwardly curved dentated central black line across both wings; black marginal lunular spots and a mixed cilia of brown and pale pinkish. Under side paler, veins and intermediate lines prominent, both wings with three outwardly curved dark bands, and spot at end of cell of fore wings. Expanse of wings, $\frac{8}{10}$ in.

Rangoon, June, 1888. In coll. Swinhoe.

Allied to *D. bijungens*, Walker; differs in the disposal of the bands and the outwardly curved dentated central black line.

AMPHIGONIDÆ.

474. *Lacera alope*.

Phalæna (*Noctua*) *alope*, Cram., Pap. Exot., iii., pl. 286, figs. E, F (1780).

Lacera capella, Guén., Noct., iii., 337, 1802, pl. 24, f. 13 (1852).

Moulmein. In B. M.

Rangoon, July, 1888. In coll. Swinhoe.

475. *Amphigonia hepatizans*.

Amphigonia hepatizans, Guén., Noct., iii., 338, 1805, pl. 24, f. 12 (1852).

Moulmein. In B. M.

Rangoon, July, 1888. In coll. Swinhoe.

THERMESIIDÆ.

476. *Platyja lobifera*.

Platyja lobifera, Moore, Journ. As. Soc. Beng., pt. 2, p. 101 (1886).

Tavoy. In I. M., Calcutta.

477. *Platyja umminia*.

Phalæna (*Noctua*) *umminia*, Cram., Pap. Exot., iii.,
pl. 267, f. F (1780).

Sympis subunita, Guén., Noct., iii., 344, 1810 (1852).

Cotuza drepanoides, Walker, xv., p. 1552 (1858).

Ginæa removens, Walker, xv., p. 1638.

Ophisma trajecta, Walker, Char. Undescr. Lep. Het.,
p. 108 (1869).

Hulodes falcata, Felder & R., Reise Nov. Lep., pl. 115,
f. 8, ♂ (1873).

(Type, *drepanoides*). Moulmein. In B. M.

Rangoon, July and October, 1888. In coll. Swinhoe.

478. *Sympis rufibasis*.

Sympis rufibasis, Guén., Noct., iii., 344, 1809, pl. 24,
f. 1 (1852).

Moulmein. In B. M.

Rangoon, June, 1888. In coll. Swinhoe.

479. *Capnodes finipalpis*.

Thermesia finipalpis, Walker, xv., p. 1576, ♀ (1858).

Capnodes maculicosta, Walker, xv., p. 1608.

Thyetmyo, September, 1887. In coll. Swinhoe.

480. *Capnodes fabularis*, n. sp.

Olive-brown, irrorated with minute grey atoms; a black basal spot on costa and indication of a pale line; an ante-medial erect yellowish grey line on fore wing, sinuous above, and bent in on to the costa, where there is a deep black spot; another black spot in the centre above the long black-yellow linear orbicular mark, two or three yellowish dots towards the apex, where there is a yellowish suffusion, which in some specimens runs down the outer border; a yellowish grey nearly straight line from a small brown patch on the costa, one-fourth from the apex to the abdominal margin of hind wings beyond the middle; an indistinct sinuous yellowish line between this and the margin on the fore wings, invisible in most specimens on hind wing; marginal points black, marked with pale yellowish outside. Expanse of wings, 1 in.

Rangoon, August, September, and October, 1888. In coll. Swinhoe.

There is an example of this insect in the British Museum from North China.

Much smaller than *C. maculicosta*; differs in its brown coloration, and in the two transverse pale lines on fore wing and medial line on hind wing.

481. *Thermesia simplex*.

Thermesia simplex, Walker, xxxiii., p. 1063 (1865).

(Type). Moulmein. In B. M.

482. *Thermesia subcostalis*.

Thermesia subcostalis, Walker, xxxiii., p. 1059 (1865).

(Type). Moulmein. In B. M.

483. *Sanys rivulosa*.

Thermesia rivulosa, Walker, xxxiii., p. 1060 (1865).

(Type). Moulmein. In B. M.

484. *Selenis longipalpis*.

Selenis longipalpis, Walker, xxxiii., p. 1068 (1865).

(Type). Moulmein. In B. M.

485. *Mestleta irrecta*.

Selenis irrecta, Walker, xxxiii., p. 1066 (1865).

S. niviapex, Walker, xxxiii., p. 1069.

Moulmein. In B. M.

Rangoon, October, 1888. In coll. Swinhoe.

486. *Sonagara scitaria*.

Drepanodes? *scitaria*, Walker, xxvi., p. 1488 (1862).

Anisodes? *pyriniata*, Walker, xxvi., p. 1582.

Thermesia? *reticulata*, Walker, xxxiii., p. 1062 (1865).

Homodes thermesioides, Snellen, Tijd. Voor. Ent., xx.,
p. 28, pl. 2, f. 15 (1877).

Mergui. In I. M., Calcutta.

Rangoon. In Phayre Museum, Rangoon.

487. *Azazia rubricans*.

Ophiusa rubricans, Boisd., Faun. Lep. Mad., p. 106,
pl. 16, f. 1 (1834).

Thermesia transducta, Walker, xxxiii., p. 1058 (1865).

T. consueta, Walker, Char. Undescr. Lep. Het., p. 93
(1869).

Rangoon, October and November, 1888. In coll.
Swinhoe.

488. *Pleurota falcata*.

Pleurota falcata, Walker, xxxv., p. 1564 (1866).

Rangoon, August, 1888. In coll. Swinhoe.

DELTOIDES.

PLATYDIDÆ.

489. *Episparis varialis*.

Neviasca varialis, Walker, xvi., p. 7 (1858).

Episparis signata, Walker, xxxiii., p. 1032 (1865).

E. davallia, Felder & R., Reise Nov. Lep., pl. 120,
f. 41 (1873).

Rangoon, April and July, 1888. In coll. Swinhoe.

HYPENIDÆ.

490. *Dichromia orosia*.

Phalæna (Noctua) orosia, Cram., Pap. Exot., iii., pl. 275,
f. D (1780).

Rangoon, November, 1888. In coll. Swinhoe.

491. *Dichromia quadralis*.

Dichromia quadralis, Walker, xvi., p. 14 (1858).

Rangoon, September, 1888. In coll. Swinhoe.

492. *Hypena biplagiata*.

Hypena biplagiata, Butler, Ill. Typ. Lep. Het. B. M.,
vii., p. 86, pl. 134, f. 1 (1889).

Rangoon, October, 1888. In coll. Swinhoe.

493. *Hypena cidarioides*.

Hypena cidarioides, Moore, Descr. Ind. Lep. Atk., ii.,
p. 189 (1882).

Rangoon, November, 1888. In coll. Swinhoe.

494. *Hypena laceratalis*.

Hypena laceratalis, Walker, xvi., p. 60 (1858).

Rangoon, October, 1888. In coll. Swinhoe.

495. *Hypena læsalis*.

Hypena læsalis, Walker, xvi., p. 62 (1858).

(Type). Moulmein. In B. M.

496. *Hypena mandatalis*.

Hypena mandatalis, Walker, xvi., p. 58 (1858).

Rangoon, August, 1888. In Phayre Museum, Rangoon.

497. *Hypena invenustalis*, n. sp.

Brownish fawn-colour; palpi long, two-thirds of length of abdomen, black at the sides, last joint short, one-fourth of the length of second. Fore wing with a black spot in centre of cell, a brown line curving outwards slightly from beyond centre of hinder margin to costa, less than one-third from apex, and margined with whitish on its outer side, followed by a line of black points. Hind wings unmarked; marginal line on both wings black, lunular, margined inwardly with whitish; cilia brown. Under side greyish brown, unmarked; outer veins and intermediate lines prominent. Expanse of wings, 1 in.

Rangoon, July and August, 1888. In coll. Swinhoe.

Allied to *H. obstupidalis*, Swinhoe; the palpi are longer, inner and outer lines wanting, central line inclining outwards, and not erect as in that species.

498. *Nolasena ferrifervens*.

Nolasena ferrifervens, Walker, xii., p. 982 (1857).

Rangoon, October, 1888. In coll. Swinhoe.

499. *Marapana raralis*.

Hypena raralis, Walker, xvi., p. 65 (1858).

Rangoon, October, 1888. In coll. Swinhoe.

500. *Ophiuche mistacalis*.

Herminia mistacalis, Guén., Delt. et. Pyral., 60, 69 (1854).

Mergui. In I. M., Calcutta.

501. *Ophiuche quinquelinealis*.

Hypena quinquelinealis, Moore, P. Z. S., 1877, p. 612.
Rangoon, September and October, 1888. In coll. Swinhoe.

HERMINIIDÆ.

502. *Dragana pansalis*.

Dragana pansalis, Walker, xvi., p. 200 (1858).
Apphadana evulsalis, Walker, xxxiv., p. 1213 (1865).
Poaphila concors, Walker, xxxv., p. 1969 (1866).

Mergui. In I. M., Calcutta.
Rangoon, July, 1888. In coll. Swinhoe.

503. *Apphadana rubicundula*.

Apphadana rubicundula, Swinhoe, P. Z. S., 1885,
p. 475, pl. 28, f. 2.

Rangoon, October, 1888. In coll. Swinhoe.

504. *Apphadana plana*, n. sp.

Brownish fawn-colour; orbicular represented by a black spot, reniform obsolete. Fore wing crossed by three brownish sinuous very indistinct lines, first crossing outside the orbicular, second medial, third from hinder margin, one-third from the angle to the apex, and pale-edged outwardly. Hind wing with a brown spot at end of cell, and a discal sinuous brown line corresponding to the outer line of the fore wing, the space beyond this line on both wings being brownish and darker than the rest of the wings. Expanse of wings, $\frac{5}{16}$ in.

Bassein, August, 1888. In coll. Swinhoe.

Allied to *A. festina*, Swinhoe; differs in its lighter coloration, its black orbicular spot, and the shape and direction of the lines, the outer line of *festina* being uniform in its distance from the outer margin throughout, and touches the costa one-fourth from apex.

505. *Pseudoglossa modesta*, n. sp.

♂ ♀. Purple-brown. Antennæ of the male moderately pectinated on one side for two-thirds its length; orbicular represented by a pale dot; reniform large, ringed with ochreous grey, in shape like a crooked figure of eight; both wings crossed by three nearly

equidistant outwardly curved sinuous black lines, the first margined inwardly, the other two outwardly, with pinkish white, ante-medial, medial, and post-medial, and rather close together; a fourth line, submarginal and of the same description on the fore wing only, and which terminates near the apex in a pure white prominent spot on a black ground, sometimes with a very small pure white dot just above it. Under side paler, bands on hind wing as above, and a discal band in addition on fore wing; a longitudinal spot for the orbicular, and a large round spot for the reniform, both encircled with white; apical spot as above, and a black lunular mark at the end of cell on hind wing; all the bands and marks very black and prominent; body black; legs black, streaked in some specimens with pale pinkish white, and spurs black. Expanse of wings, ♂ $1\frac{1}{10}$, ♀ $1\frac{4}{10}$ in.

Rangoon, July, 1888. In coll. Swinhoe.

I have this also from Bombay and the Nilgiris.

Allied to *P. fulvipicta*, Butler, Ill. Typ. Lep. Het. B. M., vii., p. 87, pl. 134, f. 7 (1889); bands and stigmata differently shaped.

506. *Bertula imperatalis*.

Bertula imperatalis, Walker, xxxiv., p. 1168 (1865).

(Type). Moulmein. In B. M.

507. *Bertula agrestis*, n. sp.

Purplish brown. Body and wings for two-thirds their length faintly dusted with grey. Fore wings crossed with three equidistant sinuous brown lines, ante-medial, medial, and post medial, and rather close together, on hind wings; these lines converge on the abdominal border towards the anal angle, the third being lost in the broadly diffused discal band, which crosses both wings, and has a reddish tinge, and on the outside of this band is an indistinct pale sinuous line; marginal line black and lunular, a yellowish patch at the anal angle of the hind wings. Wings below brown, paling on the inner borders; veins and lines between them prominent; three transverse sinuous lines as above, with an indication of a fourth. Expanse of wings, $1\frac{4}{10}$ in.

Rangoon, July, 1888. In coll. Swinhoe.

I have this insect also from North Kanara.

Allied to *Bertula placida*, Moore; wings much shorter, outer line bent instead of being nearly straight, and differs in having the broadly diffused discal band.

508. *Bertula ethnica*, n. sp. (Pl. VIII., fig. 11).

Blackish brown; insides and tips of palpi pale greyish. Abdomen greyish brown, with greyish at base and on segments. Wings of a uniform blackish brown; a lunular mark at end of cell of fore wings, a transverse blackish sinuous line across both wings just before the middle, a black band from the hinder margin one-third from anal angle to the costa near the apex, followed by some pale marks, and the rest of the wings beyond nearly as dark as the band; marginal festoon black; cilia blackish brown. Under side uniformly brown; wings paling towards the base; veins and streaks between them prominent; tarsi and spurs with pale bands. Expanse of wings, $1\frac{4}{10}$ in.

Rangoon, July, 1888. In coll. Swinhoe.

Allied to *B. agrestis*, but differently marked across the wings.

509. *Bertula factitia*, n. sp.

Of a uniform dark olive-brown. Fore wing with a black dot in centre of cell, a black ringlet at the end, a short black sinuous line commencing at costa near the base, another one-third from base, which in some specimens is only indicated on the costa, in others crosses the wing; a third discal, more or less dentated across both wings, and bends in on costa of fore wing; a submarginal dentated pale line, which is not always visible on the hind wing; marginal line black, slightly lunular; cilia with a pale line at the base. Under side paler; veins and intermediate lines prominent; a black dot at end of cell in all the wings, a discal transverse dentated line across both wings, and another blackish similar line between this and outer margin, clearest on hind wings; marginal line and cilia as above. Expanse of wings, $1\frac{2}{10}$ in.

Bassein, August, 1888. In coll. Swinhoe.

I have this also from Calcutta.

Differs from the two former, from which it can easily be distinguished by the discal dentated transverse line.

510. *Bertula analis*, n. sp. (Pl. VIII., fig. 5).

Blackish brown; insides and tips of last two joints of palpi pale flesh-colour. Thorax with some dark grey hairs at the base. Fore wings flecked with pale pinkish grey, especially so on the basal and costal portions; an ear-shaped black ringlet at end of cell, with pale interior; costa with four small black patches, and with a larger black subapical patch edged with pale flesh-colour, some

very indistinct and incomplete blackish pale-bordered sinuous lines across the wing from the patches, only visible here and there, a row of pale points below the large subapical patch; marginal lunules black; cilia pale at the base. Hind wings with an indistinct dentated medial outwardly curved irregular line, with pale marks; another similar pale flesh-coloured discal line, attached to a deep black streak on the abdominal margin near the anal angle; marginal line and fringe as in fore wing, a pale lunular mark at end of cell; costa and base paler than rest of wing. Under side paler; costa of fore wings broadly flesh-colour in its central parts, with two black spots; a pale lunule at end of cell in both wings; hind wing with a central sinuous blackish line running past the lunule; both wings with a dentated discal blackish line, followed by another similar flesh-coloured line, margined inwardly with black; marginal line and cilia as above; outer veins prominent. Expanse of wings, $1\frac{1}{2}$ in.

Rangoon, October and November, 1888. In coll. Swinhoe.

Fore wings narrower than in the former species, and remarkable for its deep black subapical patch on fore wings, and anal streak on hind wings.

511. *Hipoepa? opacaria*, n. sp. (Pl. VIII., fig. 3).

Palpi, antennæ, head, thorax, and fore wings pinkish brown, glossed and shining. Abdomen grey; basal hairs white. Fore wings with several shades of colour; a straight outwardly inclined ante-medial dark line, a slightly sinuous post-medial line, between them a dark shaded band, which elbows outwardly in two places, and a submarginal sinuous line, dentated outwardly in places. Hind wings pale pinkish brown, whitish towards the base; marginal line on both wings brown; fringe interlined. Expanse of wings, $1\frac{1}{10}$ in.

Rangoon, January, 1887. In coll. Swinhoe.

Not allied to any species I know of.

512. *Hadennia ignicoma*, n. sp. (Pl. VIII., fig. 12).

Purplish brown; a long tuft of red hairs at the tip of palpi, rising like a crest above the head; reniform represented by a prominent latitudinal white spot pointed at both ends; a black suffused broad band just before the middle across both wings, another similar broader discal band, broadly suffused towards apex of fore wing and in disc of hind wing. Under side pale greyish

brown, greyish on basal half of costa of fore wings, and nearly the whole surface of hind wings, with the white spot on fore wing prominent, as also are the outer veins and intermediate lines. Expanse of wings, $1\frac{2}{10}$ in.

Rangoon, June, 1888. In coll. Swinhoe.

Differs from *H. hypenalis*, Walker, in the absence of the sinuous central transverse brown line on fore wing and yellowish discal line on both wings, and from *H. prunosa* in having the outer band on fore wing above less oblique, in the absence of marginal white dots, and on the under side the submarginal white dentated line across both wings, and also the marginal white dots.

513. *Bocana manifestalis*.

Bocana manifestalis, Walker, xvi., p. 171, ♀ (1858).

Lamura oberratalis, Walker, xvi., p. 189, ♂.

Rangoon, June, 1886; August and October, 1888. In coll. Swinhoe.

514. *Bocana marginata*.

Bocana marginata, Moore, Descr. Ind. Lep. Atk., ii., p. 195, pl. 6, f. 19 (1882).

Rangoon, July, 1888. In coll. Swinhoe.

515. *Bocana nigella*, n. sp.

Dark blackish brown; sides of second joint of palpi deep black with pale interior and tips of last two joints. Eyes with pale lines on the inside. Fore wings with two black spots, one above the other, at the end of the cell, with indications of a pale ring round each; some pale indistinct points in a discal line across both wings, but very indistinct; marginal black spots and dark cilia with a pale line at its base. Under side paler, flecked with grey; veins and intermediate lines prominent, a pale black lunular mark at end of each cell; dentated, prominent, ante-medial and outer lines across both wings black, margined with white on their outer sides, the inner one indistinct on fore wings, a whitish spot on costa of fore wings one-fourth from apex, a smaller spot near the apex. Expanse of wings, $1\frac{2}{10}$ in.

Rangoon, June and September, 1888. In coll. Swinhoe.

Mr. Moore has this insect from the Andamans.

Differs from *B. manifestalis*, Walker, in its smaller size, narrower and more pointed fore wings, and in the

absence of the black reniform and discal transverse sinuous lines.

516. *Dyrzela bosca*, n. sp.

Olive-brown, irrorated with very minute greyish atoms. Fore wings with an indistinct brown lunular mark at end of cell; two indistinct transverse sinuous brown lines, first from hinder margin before the middle to the costa at one-third from base, second post-medial, erect, distorted above, and turns inwards on to the costa, a large black spot near the apex just outside this line; marginal points black; cilia brown. Hind wings unmarked, pale towards costa; veins prominent; cilia brown, with a pale basal line. Expanse of wings, $1\frac{3}{10}$ in.

Bassein, August, 1888.

Rangoon, September, 1886.

Bhamo, October, 1882. In coll. Swinhoe.

Allied to *D. incrassata*, Walker, from Borneo; is olive-brown instead of ferruginous, and has only two instead of three transverse lines on fore wings, and these are differently placed.

517. *Oglasa costipannosa*, n. sp.

Chocolate-brown. Thorax and fore wings smeared with greyish white powder; collar white in front and on the base of fore wings; costa pale to the patch, with a subbasal brown spot, and another below it; a sinuous indistinct brown line from the basal third to the centre of hinder margin, another more indistinct of a similar nature commencing just before the patch, which is very large, dark chocolate-brown, extends from centre of costa to near the apex, and extends nearly half-way downwards, is bordered with white, and irregularly curved and notched on its outer side; a discal line of transverse black spots below its centre, a whitish transverse line also across the wing below its outer end, commencing at the notched point; marginal line yellowish, points black. Hind wings paler, darkest towards apical portions; cilia of both wings pinkish brown, with pale tips on the hind wings. Expanse of wings, $1\frac{1}{10}$ in.

Rangoon and Moulmein, May, 1888.

Bhamo, October, 1882. In coll. Swinhoe.

Allied to *O. lagusalis*, Walker, from Borneo, is chocolate-brown instead of whitish testaceous, and has only one large rounded costal patch instead of two triangular ones.

518. *Hydrillodes lentalis*.

Hydrillodes lentalis, Guén., Delt. et Pyral., 66, 81,
pl. 5, f. 3 (1854).

Catada ? *captiosalis*, Walker, xvi., p. 210 (1858).

Bleptina morosa, Butler, Ill. Typ. Lep. Het. B. M., iii.,
p. 64, pl. 56, f. 15 (1879).

Rangoon, June, 1888. In Phayre Museum, Rangoon.

519. *Nodaria externalis*.

Nodaria externalis, Guén., Delt. et Pyral., 64, 78
(1854).

Rangoon, July, 1888. In Phayre Museum, Rangoon.

520. *Avitta cervina*.

Briarda cervina, Walker, xxxv., p. 1968 (1866).

Rangoon, June, 1888. In Phayre Museum, Rangoon.

521. *Labanda fasciata*.

Lazanda (sic) *fasciata*, Walker, xxxii., p. 605 (1865).

Diomea muscosa, Walker, xxxiii., p. 898 (1865).

Labanda saturalis, Walker, xxxiv., p. 1251 (♂ only),
(1865).

(Type, *fasciata*). Moulmein. In B. M.

522. *Aginna robustalis*.

Herminia robustalis, Guén., Delt. et Pyral., 58, 66
(1854).

Bocana turpatalis, Walker, xvi., p. 174 (1858).

Rangoon, July, 1888. In coll. Swinhoe.

523. *Rivula bioculalis*.

Rivula bioculalis, Moore, P. Z. S., 1877, p. 614.

Rangoon, September and October, 1888. In coll.
Swinhoe.

524. *Spadix vegetus*.

Spadix vegetus, Swinhoe, P. Z. S., 1885, p. 475, pl. 28,
f. 14.

Rangoon, August, 1888. In coll. Swinhoe.

525. *Zanclognatha invenustua*, n. sp. (Pl. VIII., fig. 9).

Palpi brown. Antennæ, body, and wings reddish fawn-colour; bands brownish, transverse, a short subbasal band from the costa, three equidistant, sinuous, ante-medial, medial, and post-medial, and rather close together, the third band marked with white at its outer side above, also a submarginal sinuous band, well-separated from the outer margin, and marked with whitish on its outer side throughout. Hind wings paler, with a whitish sinuous submarginal band corresponding to the above; brown marginal lunules on fore wing, a brown marginal line on hind wings; cilia with a pale basal line. Expanse of wings, $\frac{9}{10}$ in.

Rangoon. In coll. Swinhoe.

Allied to *Z. undulata*, Moore; pattern of markings somewhat similar, but is smaller, differs in the shape of the wings, thin reddish coloration, and in the general character of the insect.

PYRALES.

HAPALIADÆ.

526. *Dadessa elycesalis*.

Botys elycesalis, Walker, xix., p. 995 (1859).

(Type). Moulmein. In B. M.

527. *Conogethes punctiferalis*.

Astura punctiferalis, Guén., Delt. et Pyral., 320, 347 (1854).

Rangoon, October, 1888. In coll. Swinhoe.

528. *Botyodes asialis*.

Botyodes asialis, Guén., Delt. et Pyral., 321, 348, ♀ (1854).

Botys sellalis, Walker (nec Guén.), xviii., p. 648 (1859).

Botyodes sirionanthe, Meyrick, Trans. Ent. Soc. Lond., 1886, p. 262.

B. principalis, Leech, Entom., xxii., p. 69, pl. 3, f. 9 (1889).

Moulmein. In B. M.

Rangoon, October, 1888. In coll. Swinhoe.

529. *Botyodes scinialis*.

Botys scinialis, Walker, xviii., p. 648 (1859).

B. consimilalis, Lederer, Wien. Ent. Mon., vii., pp. 374, 471 (1863).

B. disjunctalis, Walker, Char. Undescr. Lep. Het., p. 96 (1869).

(Type). Moulmein. In B. M.

Rangoon, July, 1886; October, 1888. In coll. Swinhoe.

530. *Meroctena tullalis*.

Botys tullalis, Walker, xviii., p. 649 (1859).

Meroctena staintoni, Lederer, Wien. Ent. Mon., vii., p. 392, pl. 13, f. 4, ♂ (1863).

Moulmein, June, 1888. In Phayre Museum, Rangoon.

Rangoon, October, 1888. In coll. Swinhoe.

531. *Charema unitalis*.

Botys unitalis, Guén., Delt. et Pyral., 349, 411 (1854).

B. megapteralis, Walker, xxxiv., p. 1407 (1865).

Tenasserim. In I. M., Calcutta.

532. *Charema vinaccalis*.

Botys vinaccalis, Moore, P. Z. S., 1877, p. 619.

Tenasserim. In coll. Moore.

533. *Hapalia coclesalis*.

Botys coclesalis, Walker, xviii., p. 701 (1859).

Rangoon, September and October, 1888. In coll. Swinhoe.

534. *Hapalia caldusalis*.

Botys caldusalis, Walker, xviii., p. 650 (1859).

Tenasserim. In I. M., Calcutta.

535. *Hapalia damoalis*.

Botys damoalis, Walker, xviii., p. 656 (1859).

Rangoon, September, 1888. In coll. Swinhoe.

536. *Hapalia euryclealis*.

Botys euryclealis, Walker, xviii., p. 651 (1859).

(Type). Moulmein. In B. M.

537. *Hapalia ilusalis*.

Botys ilusalis, Walker, xviii., p. 705 (1859).

Rangoon, May, 1888. In coll. Swinhoe.

538. *Hapalia plagiferalis*.

Botys plagiferalis, Walker, xxxiv., p. 1452 (1865).

Rangoon, October, 1882; June, July, and August, 1888. In coll. Swinhoe.

539. *Hapalia ablactalis*.

Botys ablactalis, Walker, xviii., p. 660 (1859).

Rangoon, October, 1888. In coll. Swinhoe.

540. *Hapalia denticulosa*.

Hapalia? *denticulosa*, Moore, Lep. Ceylon, iii., p. 337,
pl. 183, f. 8 (1886).

Rangoon, August, 1888. In coll. Swinhoe.

541. *Hapalia fraterna*.

Hapalia fraterna, Moore, Lep. Ceylon, iii., p. 338,
pl. 183, f. 9 (1886).

Rangoon, September and November, 1888. In coll. Swinhoe.

542. *Hapalia iopasalis*.

Botys iopasalis, Walker, xviii., p. 652, ♂ (1859).

B. boteralis, Walker, xviii., p. 716.

(Type, *iopasalis*). Moulmein. In B. M.

Rangoon, May, 1886; August, 1888. In coll. Swinhoe.

Walker's labels of his *Botys iopasalis* and his *Botys plagiatalis* have, I think, got transposed in the B. M. Collection; they are insects closely allied and somewhat similarly marked; the latter is, however, nearly twice the size of the former, and the type is lost with Layard's collection. His descriptions of the insects

ought to be sufficient to prove that the labels in the B. M. have become wrongly placed. Both his types were females, *iopasalis* from Moulmein and *plagiatalis* from Ceylon, and his catalogue does not record any specimen of *plagiatalis* from any other locality.

543. *Hapalia ultimalis*.

Botys ultimalis, Walker, xviii., p. 659 (1859).

Rangoon, August, 1888. In coll. Swinhoe.

544. *Hapalia vitellinalis*.

Botys vitellinalis, Kollar, Hüg. Kasch., p. 492 (1848).

B. extinctalis, Lederer, Wien. Ent. Mon., vii., p. 467, pl. 9, f. 18 (1863).

Rangoon, October, 1888. In coll. Swinhoe.

545. *Hapalia ? mineusalis*.

Zebronia ? mineusalis, Walker, xvii., p. 481 (1859).

(Type). Moulmein. In B. M.

Rangoon, June, 1886. In coll. Swinhoe.

546. *Hapalia ? albicostalis*, n. sp.

Pale ochreous; sides of palpi and sides of collar pale reddish ochreous; top of head whitish; costal line of fore wings white, costal portion above subcostal vein and outer portions of the wing slightly darker than the rest of the wing, a greyish ochreous lunule at end of cell, lines of same colour, very indistinct, sinuous, one ante-medial, almost invisible, another discal, outwardly curved above. Hind wings paler than fore wings, unmarked; cilia greyish ochreous, interlined. Abdomen white. Under side, body, and legs white; wings of a uniform pale greyish ochreous; fore wings with the lunule at end of cell, costal space, and apical margin suffused with brown. Expanse of wings, 1 in.

Rangoon, August, 1888. In coll. Swinhoe.

Belongs to Mr. Warren's new genus *Aplopreps*, MS. ined., and is allied to nothing I know of.

547. *Hapalia cascalis*, n. sp. (Pl. VIII., fig. 18).

Pale ochreous brown; top of head pale yellowish. Fore wings with the outer veinlets prominent, apex rather acute; a grey

lunule at end of cell; two greyish sinuous lines, first ante-medial, almost erect, second discal, curving outwards above. Hind wings with the costal space whitish towards the base, a grey transverse discal line corresponding to the discal line above; cilia dark brown, interlined. Under side: Body white, shining; legs brownish, tarsi white. Expanse of wings, 1 in.

Rangoon, August, 1886. In coll. Swinhoe.

548. *Hapalia perbonalis*, n. sp. (Pl. VIII., fig. 17).

Reddish ochreous; costa of fore wings marked with brown spots along its whole length; a brown misshapen ringlet with pale centre at end of cell; both wings crossed by thin greyish ochreous nearly straight slightly sinuous bands, first ante-medial, second post-medial, meeting together on the abdominal margin near anal angle, third discal on fore wing only, fourth and fifth submarginal and close together, the fifth being marked by largish spots of same colour on the veins; fringe grey, interlined. Expanse of wings, 1 in.

Rangoon, May, 1886. In coll. Swinhoe.

549. *Tatobotys pterophoralis*.

Botys pterophoralis, Walker, xxxiv., p. 1413 (1865).

Rangoon, October, 1888. In coll. Swinhoe.

550. *Tatobotys cunealis*.

Botys cunealis, Walker, xxxiv., p. 1420 (1865).

Rangoon, May, 1887. In coll. Swinhoe.

551. *Decticogaster zonulalis*.

Decticogaster zonulalis, Snellen, Tijds. Voor. Ent., 1880, p. 231.

Rangoon, May, 1886. In coll. Swinhoe.

552. *Cnaphalocrocis medinalis*.

Salbia medinalis, Guén., Delt. et Pyral., 201, 148, ♀ (1854).

Botys rutilalis, Walker, xviii., p. 665 (1859).

B. iolealis, Walker, xviii., p. 666.

Cnaphalocrocis jolinalis, Led., Wien. Ent. Mon., vii., p. 385, pl. 12, f. 7 (1863).

Botys accerimalis, Walker, xxxiv., p. 1449 (1865).

Mergui. In I. M., Calcutta.

Rangoon, August, 1888. In coll. Swinhoe.

553. *Dolichosticha veniialis*.

Asopia veniialis, Walker, xvii., p. 373 (1859).

Botys marisalis, Walker, xviii., p. 717 (1859).

Rangoon, August, 1888. In coll. Swinhoe.

554. *Nosophora albiguttalis*, n. sp. (Pl. VIII., fig. 14).

Of a uniform purplish brown colour above. Thorax with a tuft of greyish hairs at the base. Fore wings with a large pure white lunular-shaped patch at the end of the cell, lobed below, excavated on the outer side above, extending from the subcostal vein, where it is nearly pointed, more than half-way down the wing. Under side: Wings same as above; body white; fore legs brown; hind legs grey; tarsi pinkish white. Expanse of wings, $1\frac{1}{10}$ in.

Rangoon, October, 1888. In coll. Swinhoe.

The white spot on fore wings is shaped like the same spot in *N. quadrisignata*, Moore, but differs altogether in colour, and in the absence of the spot on the hind wings.

555. *Lotanga milvinalis*.

Deba milvinalis, Swinhoe, P. Z. S., 1885, p. 875, pl. 57, f. 2.

Rangoon, October, 1888. In coll. Swinhoe.

556. *Marasmia ruralis*.

Botys ruralis, Walker, xviii., p. 666 (1859).

Marasmia cicatricosa, Led., Wien. Ent. Mon., vii., p. 386, pl. 12, f. 8, ♂ (1863).

Rangoon, September, 1888. In coll. Swinhoe.

557. *Marasmia vibiusalis*.

Botys vibiusalis, Walker, xviii., p. 634 (1859).

Rangoon, August, 1888. In coll. Swinhoe.

558. *Isocentris æqualis*.

Botys æqualis, Led., Wien. Ent. Mon., vii., p. 468,
pl. 10, f. 3 (1863).

Rangoon, August, 1888. In coll. Swinhoe.

559. *Acharana otreusalis*.

Botys otreusalis, Walker, xviii., p. 637 (1859).

B. triarialis, Walker, xviii., p. 639.

B. neloalis, Walker, xviii., p. 643.

B. abstrusalis, Walker, xviii., p. 663.

B. pharaxalis, Walker, xviii., p. 725.

B. immundalis, Walker, xxxiv., p. 1448 (1865).

Rangoon, July, 1888. In coll. Swinhoe.

560. *Acharana similis*.

Acharana similis, Moore, Lep. Ceylon, ii., p. 286,
pl. 180, f. 12 (1885).

Rangoon, September and October, 1888. In coll.
Swinhoe.

561. *Ravanao bilinealis*.

Zebronia bilinealis, Walker, xxxiv., p. 1350 (1865).

Rangoon, August, 1888. In coll. Swinhoe.

THLIPTOCERAS, gen. nov. (Warren MS.).

Fore wings elongate, narrow, with pointed apex and oblique hind margin. Hind wings considerably broader in proportion, characterised particularly by the antennæ of the male, which a little way above the base are flattened out, becoming for a short space much broader, but thinner. The female has the fore wings broader and less acutely pointed than the male.

562. *Thliptoceras variabilis*, n. sp. (Warren MS.).

Fore wing dull yellowish, somewhat sparsely scaled, liable in both sexes to a smoky grey suffusion, which leaves only the apices and fringes yellow; the two lines and reniform stigma slightly darker, often very indistinct; the exterior line is subdentate above, strongly bent in beneath the reniform stigma and repeated on the hind wing. Head, thorax, and abdomen yellow; palpi deeper yellow. Under side like the upper, but duller and without

markings. Both sexes from Dharmsala and other localities in India. Expanse of wings, 18—20 mm.

Rangoon, August, 1888. In coll. Swinhoe.

I have specimens also from Kulu and from Khandalla, all identified by Mr. Warren. One of my Rangoon specimens is suffused in the manner described above with dark brown.

563. *Thliptoceras calvatalis*, n. sp.

Of a pale olive-grey colour. Abdomen of the male very long, extending quite a quarter of an inch beyond the hind wings. Wings sparsely clothed, nearly semihyaline, shining; lines very indistinct and difficult to trace, a grey mark at end of cell, indications of an ante-medial grey line, and a discal outwardly curved line on fore wings; and in one male example an indication of a discal transverse line on hind wings corresponding to the discal line on fore wings. Under side: Wings as above, but paler; body and legs whitish. Expanse of wings, $1-1\frac{1}{10}$ in.

Rangoon, August, 1888. In coll. Swinhoe.

I have this also from Darjiling and Bhooj. Superficially the males somewhat resemble *Charema vinaccalis*, Moore.

564. *Thliptoceras epicrocalis*, n. sp.

Dark bright ochreous yellow; male with a broad purplish marginal band on both wings; both sexes with a broad purplish cilia, which becomes pale yellowish towards the anal angle of hind wings; a reddish brown lunular mark at end of cell in fore wings; lines of same colour, first ante-medial, nearly straight, from costa one-third from base to the middle of hinder margin, second from costa one-third from apex, half-way down the wing, curving slightly outwards, then straight in to the lunular mark, then (curving slightly outwards) down to the hinder margin near the other line. Hind wings with costal and basal portions whitish; a discal line corresponding to the interior line of fore wing, terminating near the outer margin one-third from anal angle. Expanse of wings, ♂ $\frac{8}{10}$, ♀ $1\frac{1}{10}$ in.

Rangoon, May, 1886; July and August, 1888. In coll. Swinhoe.

565. *Ebulea europsalis*.

Ebulea europsalis, Walker, xviii., p. 749 (1859).

Rangoon, August, 1888. In coll. Swinhoe.

566. *Rehimena phrynealis*.

Botys phrynealis, Walker, xviii., p. 630 (1859).

Rehimena dichromalis, Walker, xxxiv., p. 1492 (1865).

Rangoon, June and July, 1888. In coll. Swinhoe.

567. *Paliga damastesalis*.

Scopula damastesalis, Walker, xix., p. 1013 (1859).

Rangoon. In coll. Swinhoe.

568. *Paliga leucanalisis*, n. sp. (Pl. VIII., fig. 15).

Antennæ, palpi, thorax, and fore wings rosy-red; basal half of costal line of fore wings white; ground colour of fore wings is really of a luteous grey, with the costal border and all the veins so thickly covered with rosy-red atoms as to leave the whole of the wing of that colour, with very little of the ground colour showing between the veins here and there. Hind wings and abdomen luteous grey, unmarked; cilia interlined. Expanse of wings, 1 in.

Rangoon. In coll. Swinhoe.

Near *N. ciliialis*, Curtis, of Europe; the cilia is, however, rosy red instead of white, as in that species, and it is a brighter insect, being more rosy and yellow throughout.

569. *Udea martinalis*.

Scopula? martinalis, Walker, xviii., p. 791 (1859).

(Type). Moulmein. In B. M.

Rangoon, May, 1886. In coll. Swinhoe.

570. *Cometura picrogramma*.

Cometura picrogramma, Meyrick, Trans. Ent. Soc. Lond., 1886, p. 226.

Rangoon, May 1886. In coll. Swinhoe.

571. *Euclita fuscicostalis*.

Asopia fuscicostalis, Snellen, Tijds. Voor. Ent., 1883, p. 122, pl. 6, f. 4.

Rangoon, June, 1888; Bassein, August, 1888. In coll. Swinhoe.

572. *Godara comalis*.

Pionea comalis, Guén., Delt. et Pyral., 368, 453, ♂ (1854).

P. incomalis, Guén., l. c., 369, 454, ♀.

Rangoon, September, October, and November, 1888.
In coll. Swinhoe.

ASOPIIDÆ.

573. *Chnaura octavialis*.

Syngamia octavialis, Walker, xvii., p. 334, ♂ (1859).

Rangoon, September, 1888. In Phayre Museum,
Rangoon.

574. *Sameodes cancellalis*.

Botys cancellalis, Zeller, Lep. Caffr., p. 34 (1852).

Stenia pipleisalis, Walker, xvii., p. 420 (1859).

Lepyrodes ? lepidalis, Walker, xvii., p. 465.

Samea sidealis, Walker, xix., p. 937 (1859).

Hymenia meridionalis, Walker, xxxiv., p. 1314 (1865).

Samea vespertinalis, Saalmuller, Ber. Suck. Gesell.,
1880, p. 301.

Sameodes trithyralis, Snellen, Tijd. Voor. Ent., 1880,
p. 218 ; and 1883, p. 134, pl. 8, f. 4.

Rangoon, June and September, 1888. In coll. Swinhoe.

575. *Mabra eryxalis*.

Asopia cryxalis, Walker, xvii., p. 371 (1859).

Rangoon, August, 1888. In coll. Swinhoe.

576. *Hymenia recurvalis*.

Phalæna recurvalis, Fabr., Syst. Ent., 407 (1775).

P. angustalis, Fabr., Mant., 222, 309 (1787).

P. (Pyralis) fascialis, Cram., Pap. Exot., iv., pl. 398,
f. o (1782).

Hymenia difascialis, Hübn., Verz. Bek. Schm., 361,
3453 (1816).

Hydrocampa albifascialis, Boisd., Faun. Ent. Mad.
Lep., p. 119, pl. 16, f. 1 (1834).

Moulmein. In B. M.

Rangoon. In coll. Swinhoe.

Mergui. In I. M., Calcutta.

577. *Coptobasis lunalis*.

Botys lunalis, Guén., Delt. et Pyral., 352, 417 (1854).

B. thyalis, Walker, xviii., p. 734 (1859).

Rangoon, October, 1888. In coll. Swinhoe.

578. *Tamraca torridalis*.

Asopia torridalis, Led., Wien. Ent. Mon., vii., pp. 342, 457, pl. 6, f. 15 (1863).

Rangoon, 1887. In coll. Swinhoe.

579. *Ætholix scissalis*.

Ædiodes scissalis, Walker, xxxiv., p. 1526 (1865).

Rangoon, September, 1888. In coll. Swinhoe.

580. *Agathodes ostentalis*.

Perincephela ostentalis, Geyer, Zutr. Samml. Exot. Schm., x., 417, figs. 833—4 (1837).

Bassein, August, 1888. In Phayre Museum, Rangoon.

581. *Leucinodes orbonalis*.

Leucinodes orbonalis, Guén., Delt. et Pyral., 223, 187 (1854).

Rangoon. In coll. Swinhoe.

MARGARONIDÆ.

582. *Glyphodes bicolor*.

Botys bicolor, Swainson, Zool. Illustr., 1st. ser., ii., pl. 77, f. 2 (1821).

Eudiotis perspicillalis, Zeller, Lep. Micro. Caffr. Kong. Vet. Akad. Handb., p. 53 (1852).

Glyphodes diurnalis, Guén., Delt. et Pyral., 294, 300, pl. 5, f. 5 (1854).

G. parvalis, Walker, xxxiv., p. 1355 (1865).

Mergui. In I. M., Calcutta.

Rangoon. June and July, 1888. In coll. Swinhoe.

583. *Glyphodes bivitalis*.

Glyphodes bivitalis, Guén., Delt. et Pyral., 293, 298 (1854).

Moulmein. In B. M.

Tenasserim. In I. M., Calcutta.

584. *Phakellura indica*.

Eudiotis indica, Saunders, Trans. Ent. Soc. Lond.,
1851, p. 163, pl. 12, figs. 5, 6, 7.

Phakellura gazorialis, Guén., Delt. et Pyral., 297, 304
(1854).

Moulmein. In B. M.

Rangoon, July, 1888. In Phayre Museum, Rangoon.

585. *Cydalima conchylalis*.

Margarodes conchylalis, Guén., Delt. et Pyral., 303,
317, pl. 8, f. 9 (1854).

Rangoon, October, 1888. In coll. Swinhoe.

586. *Cydalima laticostalis*.

Margarodes laticostalis, Guén., Delt. et Pyral., 303,
315, ♀ (1854).

M. nitidicostalis, Guén., l. c., No. 316.

Margaronia leodicealis, Walker, xviii., p. 530, ♂ (1859).

Rangoon, October and November, 1888. In coll.
Swinhoe.

587. *Margaronia celsalis*.

Botys celsalis, Walker, xviii., p. 654 (1859).

Rangoon, September and October, 1888. In coll.
Swinhoe.

588. *Pachyarches marthesiusalis*.

Margaronia marthesiusalis, Walker, xviii., p. 531 (1859).

Rangoon, October, 1888. In coll. Swinhoe.

589. *Pachyarches psittacalis*.

Parotis psittacalis, Hübn., Samml. Exot. Schm., iii.,
p. 30 (1825).

Margaronia maliferalis, Walker, xxxiv., p. 1363, ♂
(1865).

Moulmein. In B. M.

590. *Pachyarches vertumnalis*.

Margarodes vertumnalis, Guén., Delt. et Pyral., 309,
333 (1854).

Rangoon, September, 1886. In coll. Swinhoe.

591. *Pygospila tyres*.

Phalæna (Pyralis) tyres, Cram., Pap. Exot., iii., pl. 263,
f. c (1779).

Moulmein. In B. M.

592. *Filodes fulvidorsalis*.

Pinacia fulvidorsalis, Hübn., Geyer, Zutr. Samml.
Exot. Schm., 15, 322, figs. 643—4 (1832).

Rangoon, June, 1888. In coll. Swinhoe.

593. *Euclasta defamatalis*.

Ilurgia defamatalis, Walker, xviii., p. 544 (1859).

Rangoon, September, 1888. In coll. Swinhoe.

SPILOMELIDÆ.

594. *Synclera cæsalis*.

Glyphodes cæsalis, Walker, xvii., p. 499 (1859).

Moulmein. In B. M.

595. *Synclera multilinealis*.

Botys multilinealis, Guén., Delt. et Pyral., 337, 380,
pl. 8, f. 11 (1854).

Zebronia salomealis, Walker, xvii., p. 476 (1859).

Botys annuligeralis, Walker, xxxiv., p. 1424 (1865).

Moulmein. In B. M.

596. *Omphisa illisalis*.

Botys illisalis, Walker, xviii., p. 653 (1859).

Rangoon, October, 1888. In coll. Swinhoe.

597. *Aripana caberalis*.

Spilomela caberalis, Guén., Delt. et Pyral., 284, 282
(1854).

Zebronia abdicalis, Walker, xvii., p. 480 (1859).

Moulmein. In B. M.

598. *Aripana lactiferalis*.

Zebronia ? lactiferalis, Walker, xvii., p. 480 (1859).

(Type). Moulmein. In B. M.

Rangoon, October, 1888. In coll. Swinhoe.

599. *Notarcha cassusalis*.

Zebronia cassusalis, Walker, xvii., p. 477 (1859).

Z. aurolinealis, Walker, xvii., p. 478.

Botys faustalis, Led., Pyral. Wien. Ent. Mon., vii., p. 471, pl. 10, f. 15 (1863).

Rangoon, July, 1888. In coll. Swinhoe.

600. *Notarcha aurantiacalis*.

Botys aurantiacalis, F. E. von Rösl, Schmett., p. 213, pl. 75, f. 3 (1843).

Rangoon, September and October, 1888. In coll. Swinhoe.

601. *Notarcha plutusalis*.

Zebronia plutusalis, Walker, xvii., p. 478 (1859).

Haritala tigrina, Moore, Lep. Ceylon, iii., p. 312, pl. 182, f. 5 (1886).

Moulmein. In B. M.

Rangoon, August, September, and November, 1888. In coll. Swinhoe.

602. *Chabula acamasalis*.

Zebronia ? acamasalis, Walker, xix., p. 970 (1859).

Z. perspicualis, Walker, xxxiv., p. 1347 (1865).

Botys flexissimalis, Walker, xxxiv., p. 1426.

Heterocnephes strangulalis, Snellen, Tijd. Voor. Ent., 1880, p. 224; and 1884, p. 35, pl. 3, f. 1.

Rangoon, August and September, 1888. In coll. Swinhoe.

603. *Nausinoe euroalis*.

Nausinoe euroalis, Swinhoe, P. Z. S., 1889, p. 420, pl. 44, f. 12.

Rangoon, October, 1888. In coll. Swinhoe.

604. *Nausinoe neptis*.

Phalena (Noctua) neptis, Cram., Pap. Exot., iii., pl. 264, f. F (1779).

Moulmein. In B. M.

Rangoon, August, September, and October, 1888. In coll. Swinhoe.

605. *Pagyda rubricatalis*, n. sp.

Luteous white. Fore wings crossed by seven straight brick-red bands, first basal, fourth at the middle, second and third between them, all four equidistant and inclining inwards from the hinder margin, the fourth terminating on the subcostal vein, the fifth from costa one-third from apex, half-way across the wing, sixth discal, seventh submarginal, all three inclining inwards from the costa and paler than the others, the last two running across the wing, but more or less indistinct in parts. Hind wings brick-red, whitish on the costal and outer spaces; a white mark at the end of the cell, and an indistinct discal white line curving outwards and bent inwards below the centre; marginal line on both wings reddish brown; cilia white. Expanse of wings, $\frac{9}{10}$ in.

Rangoon. In coll. Swinhoe.

Differs from *P. salvalis*, Walker, in its more numerous transverse bands, its different coloration, and in the red hind wing.

ENNYCHIDÆ.

606. *Pachyzancla mutualis*.

Botys mutualis, Zeller, Lep. Microp. Caffr. Kongl. Vet. Akad. Handl., p. 40 (1852).

B. stultalis, Walker, xviii., p. 669 (1859).

B. basalis, Walker, xxxiv., p. 1404 (1865).

B. apertalis, Walker, xxxiv., p. 1450.

Rangoon, June and September, 1888. In coll. Swinhoe.

607. *Pachyzancla mellealis*, n. sp.

Greyish yellow; palpi dark brown. Eyes black. Fore wings smeared with pale greyish brown, dark on the costal and marginal borders; a greyish brown ringlet at end of cell, a spot on first median branch one-third from base of wing, another on same branch one-third from outer margin of wing, a discal sinuous almost dentated line curving outwards above, bent inwards below on to the latter spot, from whence it descends to the hinder margin. Hind wings dark greyish brown on the marginal space, with an outwardly curved discal line, similar to and corresponding with the line on the fore wings; cilia greyish brown, nearly black on fore wings in one example. Under side: Wings unmarked, with greyish brown costal space on fore wings, and marginal space on both wings; body white. Expanse of wings, $\frac{8}{10}$ — $\frac{9}{10}$ in.

Rangoon, August, 1888. In coll. Swinhoe.

I have this also from Calcutta.

Bands somewhat as in *P. mutualis*, Zeller, but is easily distinguishable by the difference in colour, and by its broad greyish borders.

608. *Pelecyntis absistalis*.

Pyrausta absistalis, Walker, xvii., p. 311 (1859).

Asopia lydialis, Walker, xvii., p. 374.

Botys ustalis, Led., Pyral. Wien. Ent. Mon., vii., pp. 375, 471, pl. 10, f. 14 (1863).

Hedylepta pyraustalis, Snellen, Midd. Sumatra Lep., pl. 71 (1880).

H. ustalis, Snellen, Tijd. Voor. Ent., 1884, p. 37.

Moulmein. In B. M.

Rangoon, September, 1888. In Phayre Museum, Rangoon.

609. *Hedylepta illectalis*.

Botys illectalis, Walker, xviii., p. 658 (1859).

Ebulea opheltesalis, Walker, xix., p. 1010 (1859).

Rangoon, August, 1888. In coll. Swinhoe.

610. *Hedylepta vulgalis*.

Asopia vulgalis, Guén., Delt. et Pyral., 202, 150, pl. 6, f. 8 (1854).

Botys macliusalis, Walker, xviii., p. 703 (1859).

B. reductalis, Walker, xxxiv., p. 1412 (1865).

Rangoon, September, 1888. In coll. Swinhoe.

611. *Entephria appensalis*.

Entephria appensalis, Snellen, Tijd. Voor. Ent., 1884, p. 41, pl. 3, f. 11, 12.

Rangoon, July, 1888. In coll. Swinhoe.

STENIIDÆ.

612. *Eurrhyarodes tricoloralis*.

Botys tricoloralis, Zeller, Lep. Caffr., p. 31 (1852).

Isopteryx? abnegatalis, Walker, xvii., p. 404 (1859).

Rangoon. In coll. Swinhoe.

613. *Spanista ornatalis*.

Asopia ornatalis, Dup., Lep. Fr., viii., p. 207, pl. 223, f. 8 (1831).

Botys saturalis, Treit., Eur. Schm., Suppl., 2, p. 29 (1835).

Cataclysta? elutalis, Walker, xvii., p. 448 (1859).

Pyralis? deciusalis, Walker, xix., p. 905 (1859).

Rangoon, June, 1888. In coll. Swinhoe.

614. *Maruca testulalis*.

Crocephora testulalis, Hübn., Geyer, Zutr. Samml. Exot. Schm., iv., 12, 315, figs. 629—30 (1832).

Hydrocampa aquatilis, Boisd., Guér., Men. Icon. Reg. Anim. Ins., pl. 90, f. 9 (1844).

Rangoon, June, 1888. In Phayre Museum, Rangoon.

615. *Bocchoris trimaculalis*.

Ædiodes trimaculalis, Snellen, Tijd. Voor. Ent., 1880, p. 232.

Rangoon, 1887. In coll. Swinhoe.

616. *Lepyrodes geometralis*.

Lepyrodes geometralis, Guén., Delt. et Pyral., 278, 271, pl. 8, f. 6 (1854).

Rangoon, July, 1888. In coll. Swinhoe.

Mergui. In coll. Moore.

EURYCRASPEDA, gen. nov. (Warren MS.)

Fore wing with nearly straight costa; prominent but not acute apex, oblique and curved hind margin; both wings elongate and narrow; labial palpi straight, porrect, twice the length of the head; maxillary short, porrect; tongue and ocelli absent. Antennæ thick, laminated, pubescent beneath. Abdomen with lateral segmental projections; fringe of both wings unusually deep. Neuration: Fore wings: first median nervule starting from three-fourths of the cell, second, third, and fourth at even distances from each other, the third from lower end of cell, the second and fourth before and beyond the end respectively, upper radial from below upper end, last subcostal from upper angle, second, third, and fourth from a common stem. Hind wing with the median nervules as in fore wing, the disco-cellular very deeply angulated

basewards, subcostal and costal separating in the middle of the wing, the branches of the latter at three-fourths.

Akin to *Parthenodes*, Guén.

617. *Euryeraspeda burmanalis*, n. sp. (Pl. VII., fig. 19).

Palpi blackish brown, tips white. Antennæ grey. Head, thorax, and abdomen white. Fore wings blackish brown; a white patch on the hinder margin at the base, and a broad white marginal band which narrows towards the apex, which it does not quite reach, the band is intersected by the veins, and has a central row of brown points or marks, the white from the band runs into the broad brownish fringe opposite the veins, the fringe is paler than the colour of the wing and has a central whitish line, and being so deep makes the band look as if it were submarginal instead of marginal. Hind wings white; a pale greyish brown central transverse band, darkest on the abdominal border, and diffused inwardly; cilia as in fore wing. Expanse of wings, $\frac{8}{10}$ in.

Bassein, September, 1888. In coll. Swinhoe.

HYDROCAMPIDÆ.

618. *Paraponyx oryzalis*.

Paraponyx oryzalis, Wood-Mason, Rice Pests of Burma, Calcutta, 1885, with plate.

Burma. In I. M., Calcutta.

619. *Paraponyx stagnalis*.

Nymphula stagnalis, Zeller, Lep. Microp. Caffr. Kongl. Vet. Akad. Handl., p. 26 (1852).

Rangoon, 1887. In coll. Swinhoe.

620. *Paraponyx votalis*.

Oligostigma votalis, Walker, xvii., p. 433 (1859).

Rangoon, May and June, 1888. In coll. Swinhoe.

GIRTEXTA, gen. nov.

♂. Fore wing elongated, triangular; costa almost straight, apex pointed, posterior angle hardly rounded, posterior margin slightly convex towards the base, cell extending half the length of the wing; five subcostal branches, first emitted close to end of cell, second from the end, third from second at half its length, fourth from the third at nearly half its length, fifth also from end of cell;

disco-cellulars extremely slender, concave, radial from the middle; four median branches, the two upper on a footstalk from end of cell at one-fifth beyond its end, next also from end of cell, the lowest at one-fifth before end of cell; submedian straight. Hind wing hatchet-shaped, apex slightly produced, exterior margin convex in the middle, cell short, less than one-third the length of the wing; three subcostals, first and third from end of cell, second from below first at half its length; disco-cellular extremely slender, concave, radial from its extreme lower end, upper and middle median branches from end of cell, lower at one-fourth, submedian and internal veins straight. Body long, slender, and extending half its length beyond the hind wings in the male; palpi projected forward considerably, flattened at the sides and pointed at the tip, hirsute. Antennæ slender, minutely serrated from about half its length to the tip. Legs long, smooth; middle tibiæ armed with two terminal spurs, hind tibiæ with two pairs of spurs, one pair medial the other terminal.

Distinguishable from the genus *Cataclysta* by the comparatively shorter wings and thin triangular form, the porrect character of the palpi in both sexes, and also in its robust form.

621. *Girtexa argentuosalis*, n. sp.

Luteous. Fore wings with six glistening silvery upright transverse nearly straight bands; subbasal, ante-medial, medial, and post-medial equidistant; fifth discal curved and broken below the middle, the lower portion terminating on the hinder angle; sixth submarginal, not reaching the hinder angle. Hind wings paler; costal portion whitish, patched with glistening silver, indicating portions of the bands corresponding to the outer bands of the fore wings; but in the eight examples before me—all good specimens—the submarginal band is the only one approaching completeness; marginal line on both wings brown; cilia whitish. Under side dull greyish, with some of the bands, of a dull grey colour, of the fore wings showing through. Expanse of wings $\frac{6}{10}$ — $\frac{9}{10}$ in.

Rangoon, August and September, 1888. In coll. Swinhoe.

I have this also from the Nilgiri Hills.

CALLINAIAS, gen. nov. (Warren MS.).

Fore wing narrow, with straight costa, rounded apex, and curved hind margin. Hind wing twice as broad as fore wing, with the

anal angle somewhat produced. Legs long, slender, delicate; labial palpi long, porrect. Tongue short; maxillary palpi and ocelli not visible. Antennæ short, thick, laminated. Eyes large. Neuration: Fore wings: cell long, quite two-thirds of the length of the wing; submedian running straight to the hind margin above the anal angle; first median nervule starting from four-fifths of the cell, second and third together from the lower end, the latter forming a straight continuation of the median; fifth (lower radial) from a little above the lower end of the cell, upper radial from the disco-cellular below the cell; last three subcostal nervules on a common stem, the first two separating only a short way before the apex, apparently only *one* other nervule between them and the costal. Hind wing with no disco-cellular; first median rising at scarcely one-third, second and third separating at about centre, fourth apparently independent, produced basewards to near the base of the median; subcostal leaving the costal at one-third; the two branches of the latter parting at about one-third.

This peculiar neuration appears to warrant the erection of a new genus. The single example, a female, is of delicate structure; its position will be among the genera of the *Hydrocampidæ* that have porrect palpi.

622. *Callinaïs gracilentalis*, n. sp. (Pl. VIII., fig. 6).

Eyes black; palpi and front of head dark blackish brown. Antennæ, top of head, body, and fore wings milky white. Fore wings with two ochreous transverse indistinct linear marks on the costa, indicating the commencement of two thin transverse lines, one in the centre and the other near the large apical blackish brown spot, which is slightly excavated below, and is paler on the outer margin; a very slight ochreous tinge on outer portion of the wing. Hind wings white, suffused with pale ochreous brown, which darkens on the hinder margin; cilia brownish, interlined with white. Under side white; fore wing as above; hind wing with the outer portion brown; abdomen with the anal portion brownish, with lateral pure white tufts. Expanse of wings, $\frac{1}{2}$ in.

Rangoon, September, 1888. In coll. Swinhoe.

623. *Hydrocampa palliolatalis*, n. sp.

Ochreous white. Fore wings with the ground colour white, smeared with ochreous; base, costal, and outer portions nearly all ochreous; central and lower portions of wing with patches and parts ochreous; in one specimen the costæ is all ochreous, in

another it is patched with that colour; a white band running through the ochreous discal portion, marked on each side with brown, straight down from the costa one-fourth from apex, half-way across the wing, then curves deeply inwards and then down to the hinder margin just beyond the middle, but the curved portion is very indistinct and only traceable on one wing in one example; marginal line grey, with white diffuse points or spots; cilia pinkish grey, with brown patches. Hind wings yellowish grey, with an indistinct grey band in the centre. Expanse of wings, $\frac{5}{10}$ — $\frac{6}{10}$ in.

Rangoon, August and September, 1888. In coll. Swinhoe.

Allied to *H. fenguhanalis*, Pryer.

624. *Hydrocampa depunctalis*.

Hydrocampa depunctalis, Guén., Delt. et Pyral., 274, 265 (1854).

Zebronia? *decussalis*, Walker, xvii., p. 481 (1859).

Rangoon, August, 1888. In coll. Swinhoe.

625. *Hydrocampa responsalis*.

Diasemia responsalis, Walker, xxxiv., p. 1326, ♀ (1865).

Paraponyx turbata, Butler, Trans. Ent. Soc. Lond., 1881, p. 586, ♀.

P. marmorea, Meyrick, Trans. Ent. Soc. Lond., 1885, p. 434, ♀.

Isopteryx enyxalis, Swinhoe, P. Z. S., 1885, p. 869, ♀.

Cymoriza linealis, Moore, Descr. Ind. Lep. Atk., iii., p. 210, ♂ (1887).

Rangoon, June, July, and September, 1888. In coll. Swinhoe.

626. *Pramadea carbatinalis*, n. sp. (Pl. VIII., fig. 13).

Of a uniform dark olivaceous brown colour. Fore wing with a brown ringlet in upper centre of cell, and brown-ringed lunular mark at upper end; a lunular discal yellowish line curving outwards above and bent inwards below, the lunules marked inwardly with dark brown, and two small brown patches, one above the other, on the hinder margin just beyond the middle, inside the line where it extends downwards from the bend; a corresponding lunular line on the hind wings, marked similarly, having a great outward curve in its centre, a yellowish spot inside the cell, with an adjoining brown mark on its inner side; marginal line of both

wings brown; cilia grey and brown alternately, with a basal inter-line alternately yellow and brown. Under side paler; markings similar; tarsi with yellowish bands. Expanse of wings, $1\frac{3}{10}$ in.

Rangoon, 1886. In coll. Swinhoe.

Allied to *Pramadea denticulata*, Moore; differs in the absence of the interior line, the difference in colour, and in the form of the discal line.

SICULIDÆ.

627. *Durdara myrtæa*.

Phalæna (*Noctua*) *myrtæa*, Drury, Ins. Exot., ii., 4, pl. 2, f. 3 (1773).

Bhamo. In Phayre Museum, Rangoon.

628. *Rhodoneura acaciusalis*.

Pyralis acaciusalis, Walker, xix., p. 901 (1859).

(Type). Moulmein. In B. M.

629. *Rhodoneura bastialis*.

Pyralis bastialis, Walker, xix., p. 902 (1859).

(Type). Moulmein. In B. M.

630. *Rhodoneura puralis*.

Pyralis ? *puralis*, Walker, xxxiv., p. 1238 (1865).

Mergui. In I. M., Calcutta.

631. *Rhodoneura tetraonalis*.

Rhodoneura tetraonalis, Moore, P. Z. S., 1877, p. 617, pl. 60, f. 10.

Rangoon, July, August, and October, 1888. In coll. Swinhoe.

632. *Pharambara trifascialis*.

Pyralis trifascialis, Moore, P. Z. S., 1877, p. 614, pl. 60, f. 9.

Rangoon. In coll. Swinhoe.

633. *Microsa subrosealis*.

Microsa subrosealis, Leech, Entom., xxii., 1889, p. 66, pl. 4, f. 14.

Rangoon, August, 1888. In coll. Swinhoe.

634. *Morova angulalis*.

Morova angulalis, Moore, Deser. Ind. Lep. Atk., iii.,
p. 214 (1887).

Rangoon. In coll. Moore.

PYRALIDÆ.

635. *Oromena reliquenda*.

Briarda reliquenda, Walker, xv., p. 1802 (1858).

Mergui. In I. M., Calcutta.

636. *Stemmatophora roborealis*.

Pyralis roborealis, Swinhoe, P. Z. S., 1885, p. 865,
pl. 57, f. 1.

Rangoon, May, 1886. In Phayre Museum, Rangoon.

637. *Stemmatophora tactilis*, n. sp.

Of a uniform dark chocolate-brown colour. Antennæ and palpi pale reddish brown; abdominal tuft brown, with some reddish hairs. Wings with two transverse flesh-coloured lines; ante-medial and discal nearly straight, and meeting together in a rounded form close to the abdominal margin of hind wings near the anal angle, the ante-medial line suddenly bent in on the costa of the fore wings, the discal line slightly sinuous on fore wings. Under side slightly paler, greyish on inner marginal space of fore wings; middle and hind tarsi pale flesh-colour. Expanse of wings, $1\frac{1}{10}$ — $1\frac{2}{10}$ in.

Rangoon, September, 1888. In coll. Swinhoe.

I have this also from the Nilgiri Hills.

638. *Stemmatophora denticulata*, n. sp. (Pl. VIII., fig. 7).

Antennæ, palpi, head, thorax, and fore wings dark olive-brown; a blackish lunular mark at the end of cell, an ante-medial pale indistinct slightly curved line, a denticulated pale yellowish discal outwardly curved line with blackish marks inside the denticulations; between these two lines the costal line is closely spotted with pale yellowish points. Hind wings and abdomen greyish white, brownish on the costal and apical borders of the wing; marginal line on both wings brown; cilia grey, interlined with brown. Expanse of wings, $1\frac{2}{10}$ in.

Thyetyo, 1887. In coll. Swinhoe.

Looks superficially like an *Agrotis* with brown fore wings.

639. *Pyralis ibycusalis*.

Pyralis ibycusalis, Walker, xix., p. 899 (1859).

Rangoon, May, 1886; June, 1888. In coll. Swinhoe.

640. *Pyralis pictalis*.

Asopia pictalis, Curt., Brit. Ent., xi., pl. 527 (1834).

Pyralis proncealis, Walker, xix., p. 906 (1859).

Myelois bractiatella, Walker, xxvii., p. 36 (1863).

Pyralis cluchia, Butler, Ill. Typ. Lep. Het. B. M., iii., p. 70, pl. 58, f. 3 (1879).

Rangoon, July, 1888. In coll. Swinhoe.

641. *Pyralis umbrosalis*.

Pryalis umbrosalis, Warren MS. in ed.

Rangoon, May, 1886. In coll. Swinhoe.

642. *Pyralis regina*.

Pyralis regina, Butler, Ann. Mag. N. H., ii., p. 452 (1879).

Rangoon, May, 1888. In coll. Swinhoe.

643. *Herculia lucillalis*.

Pyralis lucillalis, Walker, xvii., p. 268 (1859).

Rangoon, July, 1888. In Phayre Museum, Rangoon.

644. *Haculia suffusalis*.

Pyralis suffusalis, Walker, xxxiv., p. 1235 (1865).

Rangoon. In Phayre Museum, Rangoon.

645. *Taurica sikkima*.

Taurica sikkima, Moore, Descr. Ind. Lep. Atk., iii., p. 202 (1887).

Rangoon, July, 1886. In coll. Swinhoe.

646. *Endotricha decessalis*.

Endotricha decessalis, Walker, xvii., p. 390 (1859).

Rangoon, July, 1888. In coll. Swinhoe.

647. *Vitessa suradeva*.

Vitessa suradeva, Moore, Cat. Lep. E. I. C., ii., p. 299,
pl. 7a, f. 7 (1858).

Mergui. In I. M., Calcutta.

PTEROPHORIDÆ.

648. *Pterophorus lacteipennis*.

Aciptilus lacteipennis, Walker, xxx., p. 949 (1864).

(Type). Moulmein. In B. M.

CRAMBITES.

PHYCITIDÆ.

PHYCITINÆ.

649. *Ankova meridionalis*.

Nephoptyx meridionalis, Walker, xxvii., p. 64 (1863).

(Type). Moulmein. In B. M.

SCHÆNOBIDÆ.

650. *Apurima xanthogastrella*.

Apurima xanthogastrella, Walker, xxvii., p. 194 (1863).

Rupela? *degenerella*, Walker, xxviii., p. 524 (1863).

Lithosia? *cramboides*, Walker, xxxi., p. 230 (1864).

Mergui. In I. M., Calcutta.

651. *Brihaspa atrostigmella*.

Brihaspa atrostigmella, Moore, P. Z. S., 1867, p. 666,
pl. 33, f. 13, ♂.

Rangoon, August, 1888. In coll. Swinhoe.

652. *Schænobius bipunctifera*.

Tipanæa bipunctifera, Walker, xxviii., p. 523 (1863).

Chilo gratiosellus, Walker, xxx., p. 967 (1864).

Schænobius punctellus, Zeller, Monog. Chilo et Cramb.,
p. 4 (1863).

Mergui. In I. M., Calcutta.

CRAMBOSTENIA, gen. nov. (Warren MS.).

Allied to *Cirrhocrista*, Led., but distinguished by the acutely-pointed fore wings, and very straight hind margin of both wings; labial palpi porrect, twice as long as the head; maxillary palpi

likewise porrect, resting on the labial; forehead with a pointed projection, which forms one surface with the palpi; ocelli and tongue absent. Antennæ short, stouter near the base, weakly and irregularly ciliated in male. Wings white, glossy, with costa, hind margin, two transverse lines, and reniform stigma brown.

Type, *C. acciusalis*, Walker.

653. *Crambostenia angustifimbrialis*, n. sp. (Warren MS.).

Wings pearly white, with the costa fulvous, the streak thinning out towards the apex; first line appearing only as a small projection from the costal streak, second a little more distinct for a short distance from the costa, and again above the middle of the inner margin; disco-cellular vein thinly fulvous-tinged, thickened into two dots at either end; fringe white tinged with fulvous, and with a fulvous basal line, which is itself preceded by a row of almost contiguous darker dashes at the end of the veins. Hind wings like fore wings, with traces of two fine transverse lines, visible only near the inner margin. Abdomen: Under side of wings, middle and hind legs, white; palpi, sides of thorax on a level with the costal streak of the fore wings, and fore tibiæ, fulvous. Expanse of wings, 25 mm.

Burma. In B. M.

Rangoon, September, 1888. In coll. Swinhoe.

654. *Eschata percandida*, n. sp.

Glistening silvery white. Eyes black. Fore wings sparsely irrorated with grey atoms on the outer portion; a discal duplex transverse line, which bends outwardly above, greyish in the male, glistening and metallic-silver in the female; a submarginal duplex grey line, slightly silvery in its interior in the male, glistening and metallic in the female, with glistening silvery streaks between the bands inside the veins; marginal black points between the veins in both sexes; cilia white, in the female glistening and quite golden in some lights. Hind wings unmarked, and, though bright and shining, they have not the beautiful glistening sheen of the fore wings. Under side pure white, unmarked. Expanse of wings, ♂ $1\frac{7}{10}$, ♀ $2\frac{1}{10}$ in.

Rangoon, October, 1888. In coll. Swinhoe.

Allied to *E. gelida*, Walker; is much larger, and differs in the disposition and nature of the transverse lines.

CRAMBIDÆ.

655. *Chilo dodatellus*.

Chilo dodatellus, Walker, xxx., p. 966 (1864).

C. aditellus, Walker, xxx., p. 967.

(Type, *aditellus*). Moulmein. In B. M.

TORTRICES.

TORTRICIDÆ.

TORTRICINÆ.

656. *Pandemis eductana*.

Pandemis eductana, Walker, xxviii., p. 310 (1863).

(Type). Moulmein. In B. M.

657. *Dichelia privatana*.

Dichelia privatana, Walker, xxviii., p. 320 (1863).

(Type). Moulmein. In B. M.

CONCHYLINÆ.

658. *Conchylis flavicostana*.

Conchylis flavicostana, Walker, xxviii., p. 361 (1863).

(Type). Moulmein. In B. M.

GRAPHOLITHINÆ.

659. *Grapholitha (Semasia) swinhoeiana*, n. sp.

(Walsingham MS.). (Pl. VIII., fig. 19).

Head pale ochreous, with a few brown scales at the sides, having a slight projecting frontal tuft. Palpi short, the apical joint distinctly appearing beyond the thickly clothed 2nd joint, pale ochreous. Thorax greyish fuscous.

Fore wings long, narrow, with straight costal and dorsal margins, the apex rounded, apical margin strongly indented on vein 4, pale ochreous with some umber scaling, especially about the middle; the costal half of the wing is covered by a greyish fuscous shade from the base to the apex, where it becomes attenuated; on this is a longitudinal hoary subcostal streak, above which a series of short costal geminations extend throughout the wing-length; two small fuscous dots, followed by a very short transverse shade, indicate the position of the usual ocelloid patch, which is situated higher than usual, and is opposite the marginal indentation; the cilia are pale ochreous interrupted by two streaks of umber scales at the apex.

Hind wings very broad, with rather pronounced abdominal angle, half as wide again as the fore wing.

Abdomen and legs pale ochreous shaded with greyish fuscous; under sides of both wings clouded with fuscous, except at the extreme apical margin.

In neuration this remarkable species differs from nearly all *Tortricidæ* with which I am acquainted in the absence of a closing vein to the cell of the hind wing. *Grapholitha roessleri*, Zeller, and *G. vestaliana*, Zeller, both from the United States, resemble it in this respect, and it is worthy to be classed with those species under a new generic name; in the form of the fore wings, with the conspicuous indentation of the apical margin, it agrees with the North American genus *Proteopteryx*, Wlsm., but this has the cell of the hind wing closed. The expanse of the wings of the single female specimen before me is 31 mm., doubling the size of *Proteopteryx*, and equalling or surpassing the average of *G. roessleri*.

Rangoon, July, 1888. In coll. Swinhoe.

TINEIDÆ.

660. *Cervaria xylinella*.

Cervaria xylinella, Walker, xxxv., p. 1823 (1866).

(Type). Moulmein. In B. M.

PLUTELLIDÆ.

GELECHINÆ.

661. *Thisizima ceratella*.

Thisizima ceratella, Walker, xxix., p. 820 (1864).

(Type). Moulmein. In B. M.

662. *Sagora rutilella*.

Sagora rutilella, Walker, Char. Undescr. Lep. Het., p. 101 (1869).

Karen Hills, February and March, 1887. In coll. Swinhoe.

ERRATA.—P. 271, line 18, after "*Hapalia? albicostalis*, n. sp." add "(Pl. VIII., fig. 14)"; p. 273, line 8 from top, for "fig. 14" read "fig. 16."

EXPLANATION OF PLATES VII. & VIII.

PLATE VII.

- FIG. 1. *Leucania subnitens*, n. sp., p. 218.
 2. *Panagra idea*, n. sp., p. 211.
 3. *Micronia sparsaria*, Walker, p. 215.
 4. *Chærodes ? umbrosa* ♂, n. sp., p. 203.
 5. *Angerona figlina*, n. sp., p. 205.
 6. *Leucania basilinea*, n. sp., p. 220.
 7. „ *albivenata*, n. sp., p. 217.
 8. *Zethes exigualis*, n. sp., p. 253.
 9. *Anisodes rapistriaria*, n. sp., p. 210.
 10. *Bryophila conjecturalis*, n. sp., p. 222.
 11. *Aramuna lutosa* ♂, n. sp., p. 225.
 12. *Leucania homopterana*, n. sp., p. 219.
 13. *Axylia abstracta*, n. sp., p. 221.
 14. *Daxata multifasciata*, n. sp., p. 256.
 15. *Symitha punctata*, n. sp., p. 236.
 16. *Zethes compactilis*, n. sp., p. 251.
 17. *Bagada diffusa*, n. sp., p. 224.
 18. *Lycauges annularia*, n. sp., p. 214.
 19. *Eurycraspeda burmanalis*, n. sp., p. 285.

PLATE VIII.

- FIG. 1. *Armana nigrærecta*, n. sp., p. 250.
 2. *Rusicada brunnea* ♀, Moore, p. 230.
 3. *Hypoepa opacaria*, n. sp., p. 264.
 4. *Hypætra occularia*, n. sp., p. 246.
 5. *Bertula analis*, n. sp., p. 263.
 6. *Calinaïs gracilentalis*, n. sp., p. 287.
 7. *Stemmatophora denticulata*, n. sp., p. 290.
 8. *Phurys enervis*, n. sp., p. 231.
 9. *Zanclognatha invenustua*, n. sp., p. 268.
 10. *Zethes palliolata*, n. sp., p. 252.
 11. *Bertula ethnica*, n. sp., p. 263.
 12. *Hadennia ignicoma*, n. sp., p. 264.
 13. *Pramadea carbatinalis*, n. sp., p. 288.
 14. *Hapalia ? albicostalis*, n. sp., p. 271.
 15. *Paliga leucanalis*, n. sp., p. 276.
 16. *Nosophora albiguttalis*, n. sp., p. 273.
 17. *Hapalia perbonalis*, n. sp., p. 272.
 18. „ *cascalis*, n. sp., p. 271.
 19. *Grapholitha (Scmasia) swinhociana*, n. sp., p. 294.